392

SUPERFUND PRELIMINARY ASSESSMENT

Sandies Dry Cleaning and Laundry
Town of Little Chute, Wisconsin
U.S. EPA ID: WIN000510596
WDNR BRRTS No. 02-45-552222

Prepared by:
Wisconsin Department of Natural Resources
Northeast Region – Green Bay

January, 2022
Revision No. 0

Prepared by: _____ Date: January 3, 2022
B.J. LeRoy, PG
Hydrogeologist
Southeast Region Headquarters
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources

Reviewed by: _____ Date: January 3, 2022
Maizie Reif
Site Assessment Team Leader
Northeast Wisconsin Green Bay Office
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources

Approved by: _____ Digitally signed by ERICA AULTZ Date: 2023.04.19 10:17:41 -05'00' Date: April 19, 2023
Erica Aultz
Site Assessment Manager - Region 5
Division of Superfund
U.S. Environmental Protection Agency

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David Brauner
Site Assessment Manager - Region 5
Division of Superfund
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ABBREVIATIONS / ACRONYMS:

AOC	= Administrative Order of Consent
BRRTS	= Bureau of Remediation and Redevelopment Tracking System
CERCLA	= Comprehensive Environmental Response Compensation Liability Act
EPA	= U.S. Environmental Protection Agency
FID	= Federal Identification Number
GIS Registry	= WDNR's Geographical Information Systems Registry
mg/kg	= milligrams/kilogram
NAPL	= Non-Aqueous Phase Liquid
PA	= Preliminary Assessment
PCS	= Pre-CERCLIS Screening
ppm	= parts per million
RP	= Responsible Party
SARA	= Superfund Amendments and Reauthorization Act
TSCA	= Toxic Substances Control Act
µg/L	= micrograms per Liter
WDHS	= Wisconsin Department of Health Services
WDNR	= Wisconsin Department of Natural Resources

1.0 INTRODUCTION

Sandies Dry Cleaning and Laundry (the "Site") became a U.S. Environmental Protection Agency (EPA) site in 2011 through a Preliminary Removal Assessment prepared by the Wisconsin Department of Natural Resources (WDNR). The EPA authorized this Preliminary Assessment (PA) in 2020 to further evaluate the Site for inclusion in the National Priorities List. This assessment lies under authority of the Comprehensive Environmental Response Compensation Liability Act of 1980 (CERCLA), and the Superfund Amendments and Reauthorization Act of 1986 (SARA). This assessment falls within the fiscal-year 2020 – 2021 Cooperative Agreement between the U.S. EPA and the WDNR.

The PA documents Site conditions and information sufficient to assess threats posed to human health and the environment, and to determine the need for additional CERCLA/SARA or other appropriate action. This scope includes a review of available file information, a comprehensive target survey and an on- and off-site reconnaissance.

2.0 SITE BACKGROUND

2.1 Location and Climate

The Site lies in a commercial area at 513 Grand Avenue within the Town of Little Chute, Wisconsin (Figure 1). According to the WDNR Bureau of Remediation and Redevelopment Tracking System (BRRTS), the Site's latitude and longitude are 44.27919 North, 88.31593 West. The Site lies within the NE¼ of the SE¼ of section 21, T21N, R18E (Reference 1). The Outagamie County Interactive GIS website indicates that the Site parcel is approximately 0.09 acres in size as Parcel Identification Number 0457 (Figure 2 and Reference 2).

The climate of Outagamie County is continental and characterized by cold and typically snowy winters with moderate and humid summers. The average January temperatures range from 10° to 25° F and average July temperatures range from 62° to 81° F. The average annual precipitation is approximately 31 inches, including 45 inches of snow. (Reference 3).

2.2 Site Description

Figure 3 shows the site area and neighboring properties. The Site area lies within the physical flood plain of the Fox River, approximately 1000 feet north of the river. The site elevation is approximately 650 feet above mean sea level. The surrounding area includes mostly commercial buildings, with schools, residences and municipal building within 1000 feet. The site now exists as a vacant building, following the business closure in 2002.

The tax parcel is a 0.09-acre property. The Site is approximately 40 feet wide by 100 feet long and is mostly covered by the building with small areas of concrete or gravel. The ground surface is flat. Access to the area is unrestricted. The building is currently vacant. Commercial businesses line both sides of the street in the downtown area. The photo log in Appendix B shows Site pictures including adjacent neighbors.

2.3 Operational History and Waste Characteristics

The only known prior Site use is the dry-cleaning operation which began in 1957. Two separate owners operated the dry-cleaning business until 2002, when the business closed. The current owner stopped maintaining the building in 2006. The current owner has exhausted his funding through site

investigation. While the Site remains on the State of Wisconsin dry cleaner remediation funding list (DERF), no claims have been filed, and the program is no longer funding new claims.

Multiple Phase II investigations show that the main contaminant in soil and groundwater is trichloroethene. Samples from the first Phase II report in 2008 (Reference 4) detected PCE in soil at 125 mg/kg. In 2011, a second and more comprehensive Phase II included soil, groundwater, indoor air and soil vapor samples (Reference 5). Sample results from each media confirmed that PCE exists above State of Wisconsin regulatory standards.

Due to lack of funding and high PCE concentrations, the EPA authorized a Time-Critical Removal Action in 2011. Major activities included soil excavation, concrete slab removal, ambient air sampling at neighboring structures, installation of vapor mitigation systems for specific buildings, and limited utility corridor investigation.

2.4 Regulatory Status

The Site exists as an open case in the WDNR Environmental Repair Program (ERP), under Bureau for Remediation and Redevelopment Tracking System (BRRTS) No. 02-45-552222. There is no pending investigation or remedial action due to a lack of funding.

The case began in 2008 with a notification of discharge resulting from a property transaction Phase II investigation (Reference 4). The Wisconsin DNR followed up by requiring a site investigation work plan. Receiving no work plan, the DNR followed the enforcement process from 2009 through 2011, when a deed affidavit was placed on the property.

An EPA Time Critical Removal Action removed contaminated soil from the property in 2011 and installed vapor mitigation systems in neighboring structures. The WDNR completed limited sampling in 2018, and authorized preparation of a comprehensive report to document all site actions to date (Reference 5). Samples from 2018 show that PCE remains in groundwater above the Wisconsin Enforcement Standard (ES).

The case remains open with no pending actions.

2.5 Past Environmental Investigations

A 2008 Phase II investigation for a property sale resulted in the WDNR opening a case, due to tetrachloroethene contamination in soil (Reference 4). This initiated a series of enforcement actions between 2008 and 2010, resulting in further sampling in 2011. The 2011 Phase II investigation included EPA-led sub-slab vapor sampling, soil sampling and groundwater sampling. Vapor, indoor air, soil and groundwater sample results exceeded regulatory limits for PCE in multiple samples (Reference 5).

For financial and urgency reasons, the EPA completed a removal action in 2011 to remove contaminated hot-spots and install a vapor abatement system. The site was also added to the Wisconsin Dry Cleaners Environmental Response Fund (DERF).

Project urgency and a lack of funding from DERF resulted in further state-lead investigation, in 2018. The 2018 Site Investigation provides the most comprehensive summary of samples collected at the site (Reference 6). As of 2018, the most recent sampling events show that contamination remains in soil and groundwater at levels that provide a continuous source of contamination to downgradient and nearby targets. Table 1 provides a summary of historic soil, groundwater, and air sample results.

2.6 Other Releases in the Area

Figure 4 shows the location of other nearby open and closed cases listed in BRRTS. Within 750 feet, there are seven closed cases, four with continuing obligations for notification of residual contamination. Table 2 lists the properties and general descriptions of each case. None of the nearby seven cases include PCE as a compound of concern. All seven cases have petroleum-related impacts and have satisfied their cleanup requirements with the DNR, with continuing obligations applied at four sites to help contain residual contamination.

No other cases listed in the Wisconsin BRRTS system likely affect the Site.

3.0 FIELD INSPECTION ACTIVITIES

Appendix B includes a photo log compiled from site reconnaissance and prior site investigation materials. The property appears as a small, vacant storefront in downtown Little Chute in disrepair due to lack of a tenant.

No site access was required to complete the Site reconnaissance. Pictures taken by the DNR occurred from publicly accessible areas.

The property is as described in Section 2.2; a small, narrow, flat, mostly structure-covered township parcel. There is one building on site with no yard. Areas on-Site not covered by the building are typically gravel.

The near area is typical of a small town in Wisconsin. Adjacent properties include restaurants and taverns, municipal and commercial buildings, and parking lots. Private residences exist farther all directions. Residences are typically one- or two-family homes.

Most downtown businesses are well kept and occupied. Traffic is light to moderate with personal cars and trucks at various homes and businesses.

St. Johns Elementary School is the nearest school, approximately 450 feet to the southeast. The closest daycare is 830 feet to the northeast.

The immediate surrounding area is a flat-lying flood plain of the Fox River, which lies approximately 1000 feet to the south. The river is the prominent physical feature in the Site area with easy access for recreational activity. The river flows from west to east through the area as shown on Figure 1. Precipitation that doesn't infiltrate the ground flows to either the town storm system or directly to the river. From the site, most precipitation likely flows to the storm system which discharges at various locations to the river.

The river represents the only mapped wetland and navigable waterway within 1000 feet of the site. Mapped wetlands do not intersect the property. According to the Wisconsin Surface Water Data Viewer, most soils at the site and surrounding area are not wetland indicating soils (Reference 7).

Fishermen use the river for a wide variety of sport fishing. However, the WDNR advises restricting fish consumption due to PCBs and mercury in the water and sediment. The river is considered in poor condition for fish and aquatic life, according to 2019 DNR reporting (Reference 8). No fishermen were observed during the site visit.

Groundwater is the principle water source for the Village of Little Chute and surrounding area (Reference 9). Five municipal wells serve the city with groundwater from bedrock aquifers consisting of Ordovician and Cambrian dolomite and sandstone. Municipal wells range in depth from 726 to 806 feet deep, with 120 to 239 feet of surface casing. Wells are sampled regularly with few violations and no significant contamination issues.

Thirty-four private potable wells reportedly exist within one mile of the site, with no wells closer than 1000 feet. The closest well logs and their locations are included in Appendix C, Reference 10. Wells are screened between 56 and 805 feet below ground surface.

4.0 GROUNDWATER PATHWAY

4.1 Hydrogeologic Setting

Wisconsin lies in the Interior Plains Province and the Great Lakes Basin of the United States (Reference 11-1 and 11-2). The site lies in southeast Outagamie County within the Lower Fox River Basin, and the Plumb Creek-Fox River Watershed (Reference 12). Wisconsinan-aged glaciers and subsequent drainage formed the basin's land surface into watersheds that eventually drain to Lake Michigan. The watershed contains the Lower Fox River which flows west to east, 1000 feet south of the Site area (Reference 13).

Site-area surficial deposits are typically low permeability lacustrine sand, silt and clay sediment (Reference 14). Sediments consist of varied deposits from shoreline to deep water lake sediment, to fluvial deposits of re-worked lake sediment. Local sediment thickness ranges from 0 to 100 feet thick in the area (Reference 15). Boring logs from the nearby investigation of USACE Parcels C and X show that soil is typically less than 20 feet thick in the Site vicinity (Reference 16).

The soil profile formed in the top few feet of glacial deposits is classified only as disturbed soil (udorthent, or Uo) at the site location. Adjacent soil is Briggsville silt loam (BtB), which is the likely predecessor to the anthropogenically disturbed soil. The USDA soil survey lists Briggsville as a well drained, 0-60" thick soil formed alluvium or lacustrine sediment (Reference 17).

The uppermost bedrock consists of fractured and porous Ordovician dolomite or sandstone that form the upper regional aquifer. Bedrock dips slightly to the east toward Lake Michigan. Ordovician-aged dolomite overlies the Cambrian St. Peter Sandstone, a regional aquifer with high capacity and high use. (Reference 18).

Private potable wells screened in the aquifer range from approximately 56 to 805 feet in depth. Thirty-four private wells exist within one mile of the Site (Reference 19), though all locations within a mile should have access to public water supply. Unconsolidated formation thickness ranges from 6 to 48 feet and is typically cased so that it is not used as a groundwater source. Drillers' notes most often include references to clay or hard pan above bedrock, and infrequently note gravel. Reference 10 includes the seven private wells within a half mile of the site.

Three municipal wells lie within a mile, and two additional municipal wells are within two miles of the site (Reference 20). The municipal wells range from 726 to 805 feet deep (Reference 21). The city draws approximately 1.3 million gallons of water per day, or 880 gallons per minute (Reference 9). Municipal wells are screened in the Ordovician dolomite aquifer and the Cambrian sandstone aquifer.

4.2 Site Conceptual Model

The Site lies in a discharge zone near the Fox River. Water enters the site through precipitation and upland flow from the north. Most precipitation likely flows overland to the town stormwater system. A small amount of precipitation may infiltrate the ground surface and recharge the water table, which is approximately 5 feet below ground surface (Reference 22).

Local and shallow groundwater generally flows to the site area from the north. The Fox River dominates the local shallow flow system, accepting discharge from groundwater. Shallow Site groundwater flows southward to the river Some shallow groundwater may also migrate downward from the shallow unconsolidated system to recharge the uppermost aquifer.

Regionally, topographic highs formed by dolomite bedrock create recharge areas where infiltration migrates to groundwater and flows generally toward the Fox River (Reference 23).

4.3 Groundwater Targets

The population within a 4-mile radius, approximately 51,882 people (Reference 24), relies primarily on groundwater as a water source. Approximately one third of this population lives within the Kaukauna city limits, where residents are assumed to be using municipally-supplied water. The City of Kaukauna groundwater supply comes from five wells located within one mile of the site (Reference 20). Four municipal wells lie between ½ and 1 mile from the site, and one well is within approximately 1/3rd of a mile away. The four municipal wells are screened in the Ordovician dolomite aquifer and Cambrian sandstone aquifer. The municipal well water is blended from the five wells and redistributed as needed to the City of Kaukauna.

In addition, water supply wells for the City of Kimberly, Town of Buchanan and Village of Little Chute lie between two and four miles to the northeast, east and southeast (Reference 20). Two wells are just inside 2 miles away; two wells are between 2 and 3 miles away; four wells lie between 3 and 4 miles from the site. The wells are screened between 525 and 805 feet below ground surface, which is a consistent elevation with wells in Kaukauna. Screened formations include Ordovician dolomite and sandstone, and Cambrian sandstone. Wells in these three communities lie upgradient from the Site.

Five high capacity wells exist within 4 miles of the property, each used for non-potable sources. Three golf courses, a racetrack and the Kaukauna water utility use high capacity wells as process water for various operations.

The population within two miles is largely connected to municipal water. Approximately 200 residences (Reference 25) reportedly had (or may still have) private wells within two miles. The WDNR was unable to determine which of these wells still exist. However, wells outside the city limits are assumed to be continuing water sources. Most of the area within two miles lies within the city of Little Chute, Appleton or Kaukauna, making private well use unlikely.

Much of the area outside two miles may be served by private wells, because the homes are more rural. The number of private wells from two to four miles was estimated based on numbers inside two miles (WDNR software does not expand to four miles beyond a location).

Table 3 lists approximate populations served by wells within specific radii of the Site area. A WDNR GIS specialist used ESRI Community Analyst to estimate populations within each area. The total population within the four-mile radius of the Site is approximately 80,061 people (Reference 24). Populations between 1-2 miles, 2-3 miles and 3-4 miles are based on ESRI Community analyst

estimates. Associated maps are attached as Figures 5 and 6.

Current municipal wells are sampled for a variety of parameters. Water samples from three municipal wells indicate no violations in the public water supply (Reference 9). No other signs of contamination exist in sample results from recent public water supply sampling events.

Table 1 provides groundwater sample results from Site monitoring wells between 2011 and 2018. As of 2018, MW-3 showed detects of PCE and TCE at 45 and 4 times above the their respective enforcement standards.

4.4 Groundwater Conclusions

A known PCE release from the Site exists in shallow soil and groundwater as of 2018. The known contamination is currently uncontrolled. To date, the Site geology, hydrogeology and nature and extent of contamination have been studied on a limited basis and are not well defined.

5.0 SURFACE WATER PATHWAY

5.1 Hydrologic Setting

Site area topography is flay lying within the physical flood plain of the Lower Fox River (Reference 1). Precipitation drains overland, primarily to the river due to its proximity. The river itself lies approximately 1000 feet south of the Site. Due to ample groundwater availability and local use advisories including PCBs, the river is not used as a source of potable water, and it is not considered a valuable sport fishing waterway (Reference 8). Within the region's watershed, topographic highs on either side of the river valley guide runoff toward the river. The Fox River drains directly to Lake Michigan in Green Bay, approximately 20 miles from the Site.

5.2 Surface Water Targets

The river system does not supply drinking water due to ample groundwater supply and widespread water use advisories. The WDNR advises sport fishers not to over-consume fish from the Fox River and its downstream watershed (Reference 8).

No recorded wetlands lie in the Site's near vicinity (Reference 26). At the site and throughout the area, most soil is considered disturbed land. Wetland-indicating soils exist father upgradient, and downstream. Area soil lies flat and is well-drained (Reference 17). According to the FEMA Flood Insurance Map database, the Site has a minimal chance of flooding in a given year, likely the Fox river water level is controlled, and there is easy drainage at the river mouth to Green Bay (Reference 27).

The WDNR identified endangered resources in the vicinity of the proposed project's boundaries. This list and information are taken from the state's Natural Heritage Inventory (NHI) database (Reference 28). This evaluation includes both the project area and a buffer of one mile for terrestrial and wetland species and a two-mile buffer for aquatic species.

The NHI database indicates two known bald eagle nests within 1 mile of the project site, one within ~4,500' and the other within ~4,800'. The Fox River is approximately 900' south of the project site

and could be utilized by this species. Therefore, the bald eagle could be exposed to site contaminants through the uptake of organisms or through surface water use.

Although beyond the standard NHI Portal buffers, a migratory bird concentration site has been recorded approximately 2.5 miles east of the project site and is adjacent to the Fox River. These sites are important resting and feeding areas for birds as they fly between their breeding and wintering

grounds. These areas also can be locations where large numbers of migrating birds often become concentrated due to prevailing winds and or water barriers. Sites are used by many different species, both rare and non-rare. The Fox River, adjacent to the project site, could be utilized by migrating bird species. Therefore, these species could be exposed to project site contaminants through the uptake of organisms or through surface water use.

Snow Trillium, a Wisconsin Threatened plant, has been recorded approximately 5,100′ from the project site. This species is found in hardwood forests, sometimes second-growth, often adjacent to rivers or streams. Based on a lack of habitat at the project and the distance to the records, impacts are not anticipated.

5.3 Surface Water Conclusions

No visual observation of contamination exists at the site or near vicinity. There is little likelihood of a further release due to overland flow or runoff.

The site lies in a discharge area within the shallow groundwater system directly adjacent to the Fox River. Previous studies, while limited, indicate that contamination exists in shallow soil and may be exposed to humans or the environment through erosion, and migration into the Fox River. There is no current evidence that this does (or doesn't) occur. The lack of flood potential and low permeability of soils indicate that surface water may be a limited migration pathway.

6.0 SOIL EXPOSURE, SUBSURFACE INTRUSION, AND AIR PATHWAYS

6.1 Physical Conditions

PCE contamination at the Site exists beneath the land surface and under the building, where it may pose a threat via subsurface vapor migration to Site or off-Site targets. While a mitigation system remains in place, existing contamination provides an ample source for potential migration and/or direct contact hazard.

The property is a thin, mostly building-covered commercial property in downtown Little Chute. The area is mostly commercial with mixed residential and industrial use and light to medium street traffic. The property itself is unsecured, with a locked building covering most of the Site. Small gravel areas exist on-site areas the building doesn't cover.

Soil samples collected from the upper four feet exceed Wisconsin Administrative Code ch. NR 720 residual contamination levels (RCLs) for direct contact (Reference 5 and Table 1.) Contamination is widespread across the site, despite two small areas of excavation that occurred in 2011 (Reference 5, Figure 12.) In 2018, the WDNR consultant estimated areas of known soil contamination above NR 720 RCLs.

Vapor sampling occurred in 2011 and 2018 to estimate the extent of vapor migration (Reference 5 and Table 1). Vapor exists below the Site building and has migrated to at least one off-Site location above WNDR Vapor Action Levels (VALs). Ambient air VALs were also exceeded at Sandies and at the adjacent tavern, Weenies, in 2018.

6.2 Soil, Subsurface Intrusion, and Air Targets

Site access is generally unrestricted, with a risk of direct contact exposure to passers-by or trespassers due to shallow soil contamination. Residents/patrons in the Site and nearby buildings are at risk for exposure through vapor migration.

Table 3 lists population statistics inside radii from ¼ to 4 miles. Within ¼ mile, approximately 690 people live in single and multi-family homes. The closest school/daycare is 450 feet away.

6.3 Soil Exposure, Subsurface Intrusion, and Air Conclusions

There are high to unknown concentrations of PCE in soil in the unsaturated zone within four feet of the ground surface. Subsurface vapor intrusion and air are viable pathways that require further investigation.

7.0 SUMMARY AND CONCLUSIONS

Limited investigations at Sandies Cleaners show that significant PCE contamination exists in indoor air, soil vapor, soil and groundwater. The nature and extent of PCE is not well defined at depth or off the property, as previous investigations were limited in scope.

Multiple pathways exist that could provide potential routes to receptors. Indoor air and subsurface vapor both at the building and off-Site demonstrated the potential for impacts. Surface water may also provide a completed pathway with the proximity of the Fox River, and the existence of uncontrolled PCE in near-surface soil. The groundwater pathway is potentially complete due to a shallow water table and the bedrock aquifer system.

8.0 REFERENCES

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APPENDIX A

Figures

APPENDIX B

Site Photographs

Appendix C
Sandies Cleaners
Preliminary Assessment

Photo #:	001
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	Storefront as it currently exists. Camera facing west.

Photo #:	002
Date of Photo:	2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Storefront as of 2011.

Photo #:	003
Date of Photo:	2012
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Back of store, pre-excavation. Camer facing east.

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Sandies Cleaners
Preliminary Assessment

Photo #:	004
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	Nearest neighbor to north. Camera facing west.

Photo #:	005
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	Nearest neighbors to south. Camera facing west.

Photo #:	006
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	South neighbor, across the street. Camera facing SW.

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Photo #:	007
Date of Photo:	5/20/2019
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	St. John elementary school, to the SE.

Photo #:	008
Date of Photo:	6/20/2012
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Back of store.

Photo #:	009
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	Neighbors to the south, across the street. Facing SW.

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Sandies Cleaners
Preliminary Assessment

Photo #:	010
Date of Photo:	9/22/2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Back of store, post excavation.

Photo #:	011
Date of Photo:	9/27/2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Facing north; nearest neighbor.

Photo #:	012
Date of Photo:	9/27/2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Facing SW from rear of property.

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Photo #:	013
Date of Photo:	July 2019
Photo Location:	Sandies Cleaners
Photo By:	Google
Photo Description:	Small area of eroded top soil, atypical of property.

Photo #:	014
Date of Photo:	1/7/2013
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Basement post cleanup.

Photo #:	015
Date of Photo:	1/7/2013
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Basement post-cleanup.

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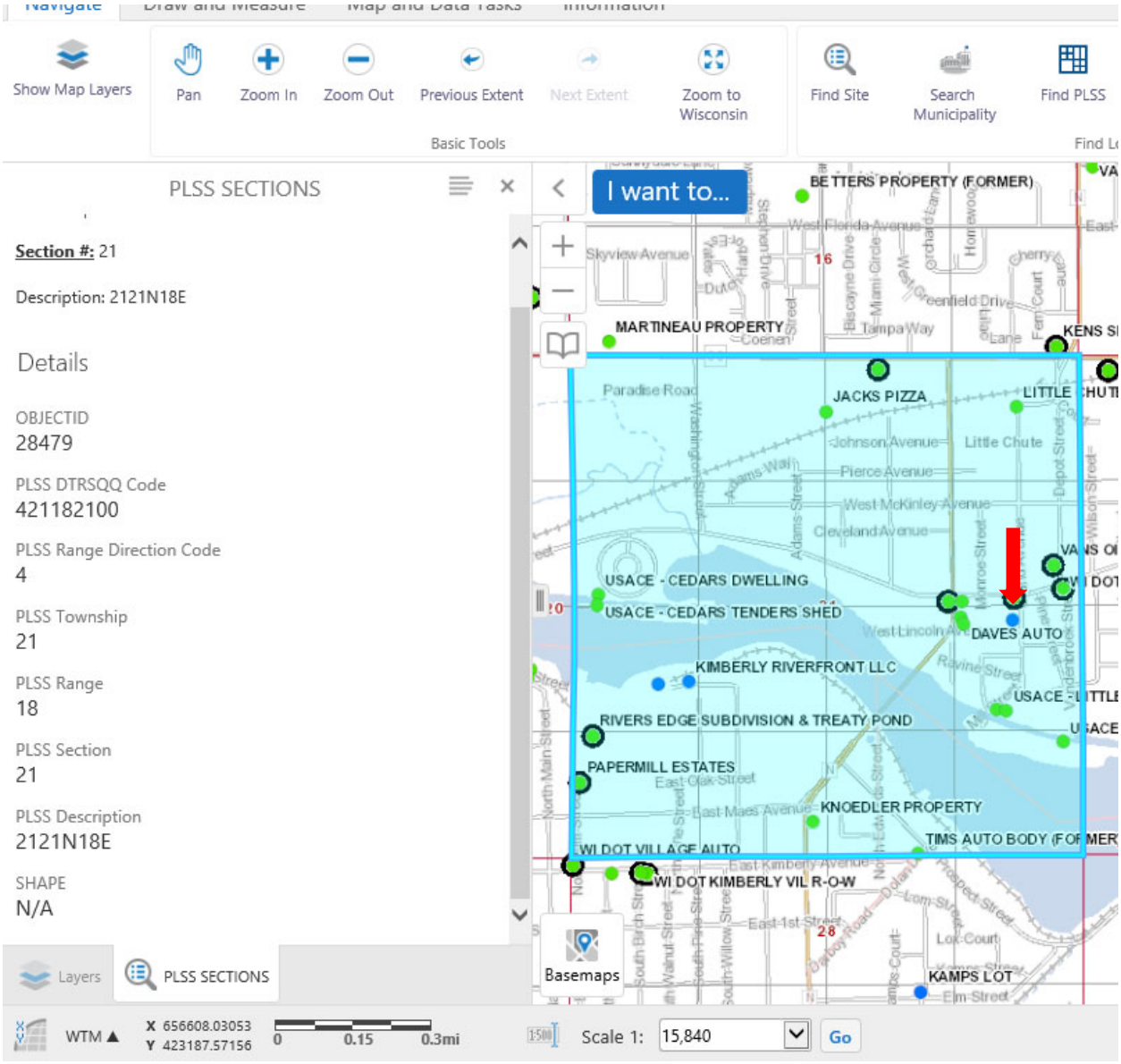
Photo #:	016
Date of Photo:	8/21/2012
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Vapor mitigation components. System status currently unknown.

Photo #:	017
Date of Photo:	10/5/2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Extent of excavation, rear of store.

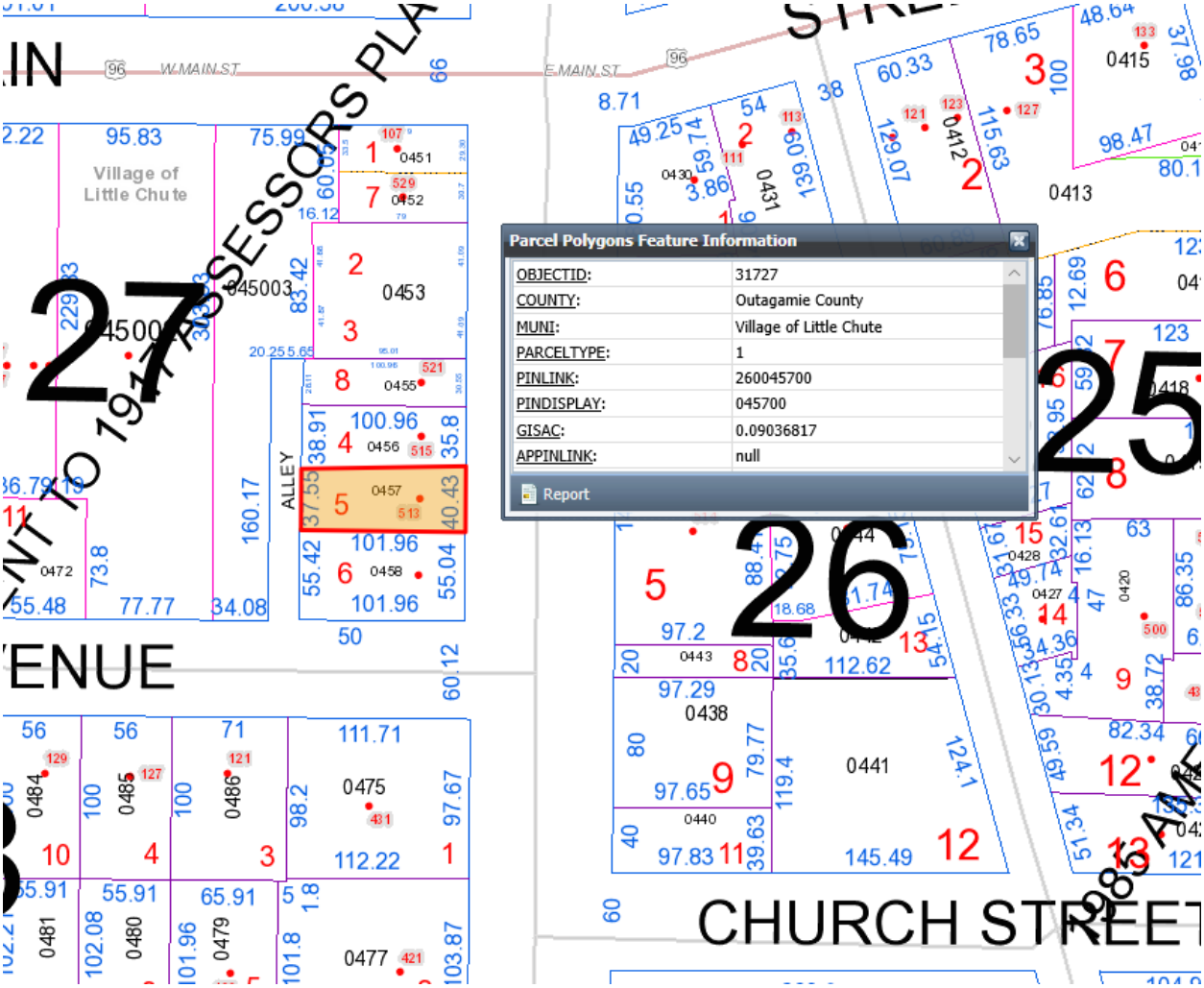
Photo #:	018
Date of Photo:	4/5/2011
Photo Location:	Sandies Cleaners
Photo By:	WDNR
Photo Description:	Adjacent property, to the south.

APPENDIX C

Reference Documents



Reference 1-1
Township, Range, Section - Sandies
https://dnr.wi.gov/topic/Wells/DWS/wellConstMap.html



Reference 2-1
Parcel Area
http://outagamiecowi.wgxtreme.com/
Outagamie County Interactive GIS Website

U.S. climate data
Temperature - Precipitation - Sunshine - Snowfall

US Climate Data on

Home | United States | Wisconsin | Enter a location

Monthly | History | Geo & Map

You are here: United States > Wisconsin > Appleton

Climate Appleton - Wisconsin

°C | °F

	Jan	Feb	Mar	Apr	May	Jun
Average high in °F:	25	29	40	55	67	77
Average low in °F:	10	13	23	36	47	58
Av. precipitation in inch:	1.14	1.06	1.81	2.95	3.19	4.02
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-
Average snowfall in inch:	12	9	7	3	0	0

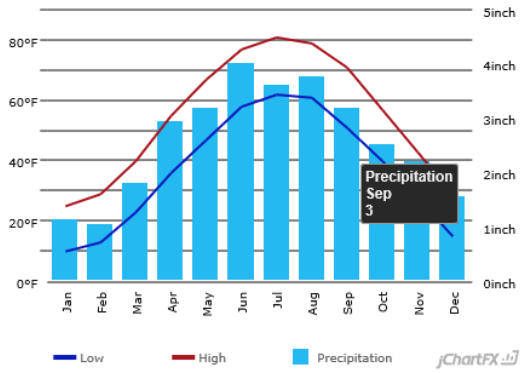
	Jul	Aug	Sep	Oct	Nov	Dec
Average high in °F:	81	79	71	57	43	29
Average low in °F:	62	61	51	40	28	15
Av. precipitation in inch:	3.62	3.78	3.19	2.52	2.2	1.57
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-
Average snowfall in inch:	0	0	0	0	3	11

Climate data for appleton, Longitude: -88.4378, Latitude: 44.2769
Average weather Appleton, WI - 54911 - 1981-2010 normals

Appleton weather averages

Annual high temperature:	54.4°F
Annual low temperature:	37°F
Average temperature:	45.7°F
Average annual precipitation - rainfall:	31.05 inch
Days per year with precipitation - rainfall:	-
Annual hours of sunshine:	-
Av. annual snowfall:	45 inch

Appleton Climate Graph - Wisconsin Climate Chart



Reference 3-1
Average Climate
https://www.usclimatedata.com/climate/appleton/wisconsin/united-states/uswi0020
US Climate Data Website

Reference 4.1
Sandies Cleaners

Project Mngr:	DED
Drawn By:	AJP
Checked By:	DED
Approved By:	BRS

Project No.	38087018
Scale:	AS SHOWN
File No.	38087018 SM
Date:	8/20/08

Terracon
Consulting Engineers and Scientists
3011B EAST CAPITOL DRIVE APPLETON, WI 54911
PH. (9220) 993-9096 FAX. (920) 993-9108

BORING LOCATION DIAGRAM

SANDIE'S DRY CLEANER & LAUNDRY
513 GRAND AVENUE
LITTLE CHUTE WISCONSIN

FIG. No.
2

Table 1
Soil Analytical Test Results Summary

Sandie's Dry Cleaners and Laundry
Little Chute, Wisconsin
Terracon Project No. 38087018

				Volatile Organic Compounds (VOC) µg/kg
Sample ID	**Sample Depth**	**PID**	**Sample Date**	Tetrachloroethene (PCE)
HA-1(1)	1	437	8/13/2008	**125,000**
HA-2(3)	3	11.3	8/13/2008	**4,500**
NR 720, WAC, SSRCL[1]				**4.1**
RCL Direct Contact Non-Industrial[2]				**1,230**
20 x NR 605, Table 1, Regulatory Level (µg/kg)[3]				14,000

Notes:
Only compounds detected above the laboratory Limit of Detection are listed

[1] NR 720.09, Wisconsin Administrative Code, Generic Residual Contaminant Level (RCL) for Protection of Groundwater per NR 720.09 Wisconsin Administrative Code Generic RCLs or NR 720.19, USEPA Soil Screening Guidance for Chemicals website utilizing default parameters per WDNR publication RR-682

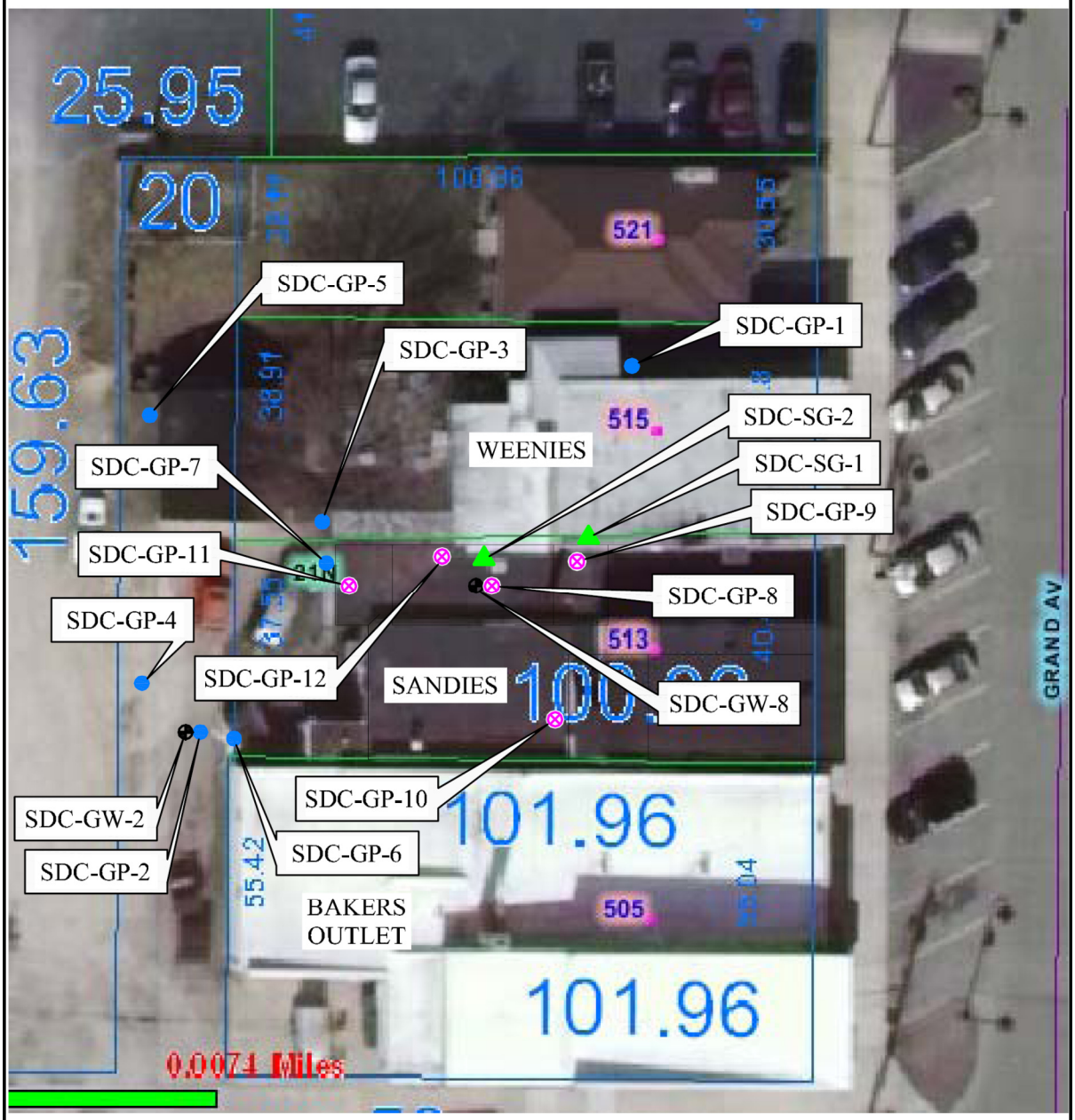
[2]RCL for Direct Contact per NR 720.11 Wisconsin Administrative Code, Table 2 RCLs or USEPA Soil Screening Guidance for Chemicals website utilizing default parameters per WDNR publication RR-682

[3]20 x NR 605, Table 1, Regulatory Levels listed in micrograms per kilograms for Toxicity Guidance for Chemicals website utilizing default parameters per WDNR publication RR-682

"µg/kg" indicates micrograms per kilogram

Bold values indicate compound was detected above the NR 720.09, Site-Specific Residual Contaminant Level (SSRCL) for Protection of Groundwater

Bold and underlined values indicate compound was detected above non-industrial direct contact RCL



Sandies Dry Cleaners
Site Assessment
Little Chute, Outagamie County, Wisconsin
TDD No. TO-05-11-03-0007

Figure 3
Sample Location Map

OTIE
Oneida Total Integrated Enterprises

Reference 5.1
Sandies Cleaners

Table 1
Sample Locations and Descriptions
Sandies Dry Cleaner Site Assessment
Little Chute, Wisconsin

Boring ID/ Well ID	Installation Date	Location Description	Matrix	Sample ID	Sample Date	Sample Description
None	Not Applicable	Inside Sandies dry cleaner, unoccupied apartment, upper level	Air	A01-513GRND-UL	3/11/2011	Indoor Air, 24-Hr
None	Not Applicable	Inside Weenies bar, ground level	Air	A02-515GRND-GL	3/11/2011	Indoor Air, 24-Hr
None	Not Applicable	Inside Weenies bar, occupied apartment, upper level	Air	A03-515GRND-UL	3/11/2011	Indoor Air, 24-Hr
None	Not Applicable	Inside Weenies bar, basement level	Air	A04-515GRND-BL	3/11/2011	Indoor Air, 24-Hr
None	Not Applicable	Inside Bakers Outlet, basement level	Air	A05-505GRND-BL	3/11/2011	Indoor Air, 24-Hr
None	Not Applicable	Inside Apartment above American Family Insurance, occupied, upper level	Air	A06-505GRND-UL	3/11/2011	Indoor Air, 24-Hr
SDC-GP-1-3'	4/6/2011	Outside, From NW outside corner of Weenies building go 21.0ft E, 4.3ft N	Soil	SDC-GP-1-3'	4/6/2011	Soil from 3' bgs
SDC-GP-2-2'	4/6/2011	Outside, behind Sandies, In parking lot	Soil	SDC-GP-2-2'	4/6/2011	Soil from 2' bgs
SDC-GW-2	4/6/2011		GW	SDC-GW-2	4/7/2011	Groundwater
SDC-GP-3-2_5'	4/6/2011	Outside, backyard of Weenies, near walk way to backdoor, near SE corner of garage	Soil	SDC-GP-3-2_5'	4/6/2011	Soil from 2.5' bgs
SDC-GP-4-4'	4/6/2011	Outside, Behind Sandies, on edge of village property, near alley	Soil	SDC-GP-4-4'	4/6/2011	Soil from 4' bgs
SDC-GP-5-3_5'	4/6/2011	Outside, Behind Weenies, on west side of the garage, near alley	Soil	SDC-GP-5-3_5'	4/6/2011	Soil from 3.5' bgs
SDC-GP-6-14'	4/6/2011	Outside, Near NW edge of Bakery, by dumpsters	Soil	SDC-GP-6-14'	4/6/2011	Soil from 14' bgs
SDC-GP-7-1_5'	4/6/2011	Outside, Behind Sandies where pipe was sticking out of the ground, NW edge of building	Soil	SDC-GP-7-1_5'	4/6/2011	Soil from 5' bgs
SDC-GP-8-1'	4/6/2011	Inside Sandies, Wash Room, beneath concrete slab, From NE corner go 10.8ft W, 7.2ft S.	Soil	SDC-GP-8-1'	4/6/2011	Sub-Slab Soil from 1' bgs
SDC-GP-8-1'-D	4/6/2011		Soil	SDC-GP-8-1'-D	4/6/2011	
SDC-GW-8	4/6/2011		GW	SDC-GW-8	4/7/2011	Groundwater below Sub-Slab

Table 1 (continued)
Sample Locations and Descriptions
Sandies Dry Cleaner Site Assessment
Little Chute, Wisconsin

Boring ID/ Well ID	Installation Date	Location Description	Matrix	Sample ID	Sample Date	Sample Description
SDC-GP-9-5'	4/7/2011	Inside Sandies, room east of wash room, From NE corner go 1.3ft S, 3.4ft W	Soil	SDC-GP-9-5'	4/7/2011	Sub-Slab Soil from 5' bgs
SDC-GP-10-1'	4/7/2011	Inside Sandies, under stairs, From SE corner of main room go 2.3ft W, 6.9ft N	Soil	SDC-GP-10-1'	4/7/2011	Sub-Slab Soil from 1' bgs
SDC-GP-11-2'	4/7/2011	Inside Sandies, boiler room, from NE corner of room go 7.2ft S, 7.5ft W	Soil	SDC-GP-11-2'	4/7/2011	Sub-Slab Soil from 2' bgs
SDC-GP-12-0_5'	4/7/2011	Inside Sandies, In wash Room, from NW corner of room go 2.1ft S, 5.4' E	Soil	SDC-GP-12-0_5'	4/7/2011	Sub-Slab Soil from 0.5' bgs
SDC-SG-01	4/18/2011	Inside Weenies basement, adjoining Wall between Sandies and Weenies, SW corner of the basement room, 5.45 feet height from the floor and 1 feet from west wall	Air	SDC-SG-01	4/20/11	Sub-Slab Soil-gas, 24-Hr
SDC-SG-02	4/18/2011	Inside Sandies, In wash room, from NW corner of room go 11.7' E, 1.45' S	Air	SDC-SG-02	4/20/11	Sub-Slab Soil-gas, 24-Hr
SDC-SG-03	4/18/2011	Inside Bakers Outlet, In basement near bottom of stairs, from NW corner of room go 2.55' E, 2.1' S		Not Sampled		Port was filled with water. Not sampled

Reference 5.1
Sandies Cleaners

Table 2
Indoor Air Volatile Organic Compounds Results
Sandies Drycleaner Site Assessment
Little Chute, WI

Analyte	WDNR Residential Vapor Action Level	WDNR Commercial Vapor Action Level	A01-513GRND-UL 03/11/2011	A02-515GRND-GL 03/11/2011	A03-515GRND-UL 03/11/2011	A04-515GRND-BL 03/11/2011	A05-505GRND-BL 03/11/2011	A06-505GRND-UL 03/11/2011
VOCs (ppbv)								
1,2,4-Trimethylbenzene	14.85	63.06	**0.62**	ND	ND	ND	ND	ND
1,3-Butadiene	0.366	1.854	ND	ND	**2.2**	ND	ND	ND
1,4-Dichlorobenzene	0.366	1.830	ND	**0.67**	**0.59**	ND	ND	ND
2-Butanone	17,633	74,603	ND	ND	**2**	ND	ND	ND
2-Propanol	29,702	126,130	ND	**31**	**29**	ND	ND	ND
Acetone	134,727	589,430	**7.1**	**20**	**27**	**4.3**	ND	**5.9**
Benzene	0.97	5.01	ND	**0.48**	**1.7**	ND	**0.44**	**0.49**
Chloroform	0.225	1.086	ND	**0.6**	**0.73**	ND	ND	ND
Chloromethane	455	1,889	ND	**1.1**	**3.6**	ND	ND	**0.93**
Dichlorodifluoromethane	202.24	890	**0.59**	**0.54**	**0.52**	**0.54**	**0.89**	**0.7**
Ethyl acetate	NL	NL	ND	**2.4**	**2.8**	**0.56**	ND	ND
Ethylbenzene	2.23	11.29	ND	ND	**0.4**	ND	ND	ND
Heptane	NL	NL	**0.78**	**0.48**	**0.82**	ND	ND	ND
m,p-Xylene	230	1,013	**0.91**	ND	**1.2**	ND	ND	ND
Propylene	18,014	75,544	ND	ND	**10**	ND	ND	ND
Styrene	2,348	10,331	ND	ND	**0.49**	ND	ND	ND
Tetrachloroethylene	0.60	3.10	**31**	**3.6**	**3.9**	**5**	**0.78**	ND
Toluene	13,800	58,386	**5.9**	**1.5**	**3.7**	**1.2**	**0.66**	**0.71**
Trichloroethylene	2.23	11.35	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1,299	5,518	ND	**0.44**	**0.5**	ND	**1.3**	**0.81**
Xylenes, Total	230	1,013	**1.2**	ND	**1.5**	ND	ND	ND

Notes:
Samples were collected on March 11th, 2011 under START contract EP-S5-10-10.
Analyses were conducted by Microbac Laboratories, Merrilville, Indiana under TDD No: TO-05-11-03-0007
ppbv – parts per billion by volume
NL - Not listed
ND – analyte not detected above the laboratory method detection limit
Bolded results indicate detections above the reporting limit
Shaded results exceeded either residential or residential and commercial vapor action levels set by WDNR.

Reference 5.1
SaReference 5.1
Sandies Cleanersndies Cleaners

Table 3
Subsurface Soil Volatile Organic Compounds Results
Sandies Drycleaner Site Assessment
Little Chute, Wisconsin

Analyte	Risk Based SSLs (µg/Kg)*	SDC-GP-1-3' 4/6/2011	SDC-GP-2-2' 4/6/2011	SDC-GP-3-2_5' 4/6/2011	SDC-GP-4-4' 4/6/2011	SDC-GP-5-3_5' 4/6/2011	SDC-GP-6-14' 4/6/2011	SDC-GP-7-1_5' 4/6/2011
VOCs (µg/Kg dry)								
2-Butanone	1,500	ND	**16**	**11 J**	ND	ND	ND	ND
Acetone	4,500	**68**	**170**	**160**	**30 J**	**150**	ND	ND
Benzene	0.21	ND	ND	**2.4 J**	**3.1 J**	ND	ND	ND
cis-1,2-Dichloroethene	21	ND	**64**	ND	ND	ND	ND	ND
Ethylbenzene	1.70	**1.5 J**	**1.4 J**	**1.4 J**	**4.0 J**	**2.0 J**	ND	ND
m,p-Xylene	1,200	**2.5 J**	**2.4 J**	**3.0 J**	**6.4**	**4.5 J**	ND	ND
o-Xylene	1,200	ND	ND	ND	**2.3 J**	ND	ND	ND
Tetrachloroethene (PCE)	0.049	ND	**700**	**120**	**5.5 J**	ND	**36,000**	**1,300**
Toluene	1,600	**1.8 J**	**2.1 J**	**4.9 J**	**8.4**	**2.4 J**	ND	ND
Total 1,2-Dichloroethene	97	ND	**80**	ND	ND	ND	ND	ND
Total Xylenes	200	**2.5 J**	**2.4 J**	**3.0 J**	**8.8**	**4.5 J**	ND	ND
trans-1,2-Dichloroethene	31	ND	**16**	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.72	ND	**100**	ND	**1.4 J**	ND	ND	ND

Notes:

Site Assessment conducted under START contract EP-S5-10-10 on April 6th and 7th, 2011.

Analyses were conducted by Microbac Laboratories, Merrilville, Indiana under TDD No: TO-05-11-03-0007

µg/Kg dry – micrograms per kilogram dry basis

J – result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

ND – analyte not detected above the laboratory method detection limit

* Values were obtained from EPA Region 9 RSL Table for the Soil Screening Levels calculated for Protection of Groundwater Criteria

Bolded results indicate detections above the reporting limit

Shaded results exceeded EPA's Risk based SSLs

Reference 5.1
Sandies Cleaners

Table 4
Sub-Slab Soil Volatile Organic Compounds Results
Sandies Drycleaner Site Assessment
Little Chute, Wisconsin

Analyte	Risk Based SSLs (µg/Kg)*	SDC-GP-8-1' 4/6/2011	SDC-GP-8-1'-D 4/6/2011	SDC-GP-9-5' 4/7/2011	SDC-GP-10-1' 4/7/2011	SDC-GP-11-2' 4/7/2011	SDC-GP-12-0_5' 4/7/2011
VOCs (µg/Kg dry)							
1,1,1,2-Tetrachloroethane	0.20	ND	ND	ND	ND	ND	**110 J**
Acetone	4,500	ND	ND	**23 J**	ND	ND	ND
Benzene	0.21	ND	ND	**1.8 J**	ND	ND	ND
cis-1,2-Dichloroethene	21	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.70	ND	ND	**2.8 J**	ND	ND	ND
m,p-Xylene	1,200	ND	ND	**3.3 J**	ND	ND	ND
o-Xylene	1,200	ND	ND	**1.2 J**	ND	ND	ND
Tetrachloroethene (PCE)	0.049	**390,000**	**1,400,000**	**19**	**1,500**	**780**	**810,000**
Toluene	1,600	ND	ND	**4.6 J**	ND	ND	ND
Total 1,2-Dichloroethene	97	ND	ND	ND	ND	ND	ND
Total Xylenes	200	ND	ND	**4.5 J**	ND	ND	ND
trans-1,2-Dichloroethene	31	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.72	**120 J**	**430 J**	ND	ND	ND	**810**
TCLP VOCs	**TCLP Limit (mg/L)**						
Tetrachloroethene (PCE)	0.70	ND	N/A	N/A	N/A	N/A	**0.11**

Notes:

Site Assessment conducted under START contract EP-S5-10-10 on April 6th and 7th, 2011.
Analyses were conducted by Microbac Laboratories, Merrilville, Indiana under TDD No: TO-05-11-03-0007
µg/Kg dry – micrograms per kilogram dry basis
J – result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
ND – analyte not detected above the laboratory method detection limit
N/A – Not Analyzed
Sample SDC-GP-8-1'-D is a field duplicate of sample SDC-GP-8-1'
* Values were obtained from EPA Region 9 RSL Table for the Soil Screening Levels calculated for Protection of Groundwater Criteria
TCLP - Toxic Characteristic Leaching Procedure
Bolded results indicate detections above the reporting limit
Shaded results exceeded EPA's Risk based SSLs

Reference 5.1
Sandies Cleaners

Table 5
Groundwater Volatile Organic Compounds Results
Sandies Drycleaner Site Assessment
Little Chute, Wisconsin

Analyte	Federal MCL	WDNR NR 140 ES	SDC-GW-2 4/7/2011	SDC-GW-8 4/7/2011
VOCs (µg/L)				
Tetrachloroethene (PCE)	5	5	**180**	**1,500**

Notes:

Site Assessment conducted under START contract EP-S5-10-10 on April 6th and 7th, 2011.
Analyses were conducted by Microbac Laboratories, Merrilville, Indiana under TDD No: TO-05-11-03-0007
µg/L – micrograms per liter
Bolded results indicate detections above the reporting limit
Shaded results exceeded the federal Maximum Contaminant Level (MCL) and State Enforcement Standard

Reference 5.1
Sandies Cleaners

Table 6
Sub-Slab Soil-Gas Volatile Organic Compounds Results
Sandies Drycleaner Site Assessment
Little Chute, WI

Analyte	WDNR Commercial Vapor Risk Screening Level	SDC-SG-01 4/20/2011	SDC-SG-02 4/20/2011
VOCs (ppbv)			
2-Butanone	746,033	**0.74 J**	ND
2-Propanol	1,261,298	**0.97 J**	ND
Acetone	5,894,297	**4.3**	**17 J**
Acrolein	4	**0.78**	ND
Benzene	50	**0.27 J**	ND
Carbon disulfide	99,572	**0.21 J**	**7.3 J**
Chloromethane	18,888	**0.49 J**	ND
Dichlorodifluoromethane	8,899	**0.28 J**	ND
Ethyl acetate	NL	**1.9**	ND
Heptane	NL	**0.32 J**	ND
Hexane	87,960	**1.6**	ND
Methylene chloride	749	**1.3 J**	ND
Propylene	755,437	**0.71 J**	ND
Tetrachloroethylene	31	**3.5**	**22,000**
Toluene	583,855	**1.2**	ND
Trichloroethylene	114	ND	**24**
Trichlorofluoromethane	55,182	**0.22 J**	ND

Notes:
Samples were collected on April 20th, 2011 under START contract EP-S5-10-10.
Analyses were conducted by Microbac Laboratories, Merrilville, Indiana under TDD No: TO-05-11-03-0007
ppbv – parts per billion by volume
J – result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
NL - Not listed
ND – analyte not detected above the laboratory method detection limit
Bolded results indicate detections above the reporting limit
Shaded results exceeded commercial vapor risk screening level set by WDNR.

Reference 5.1
Sandies Cleaners

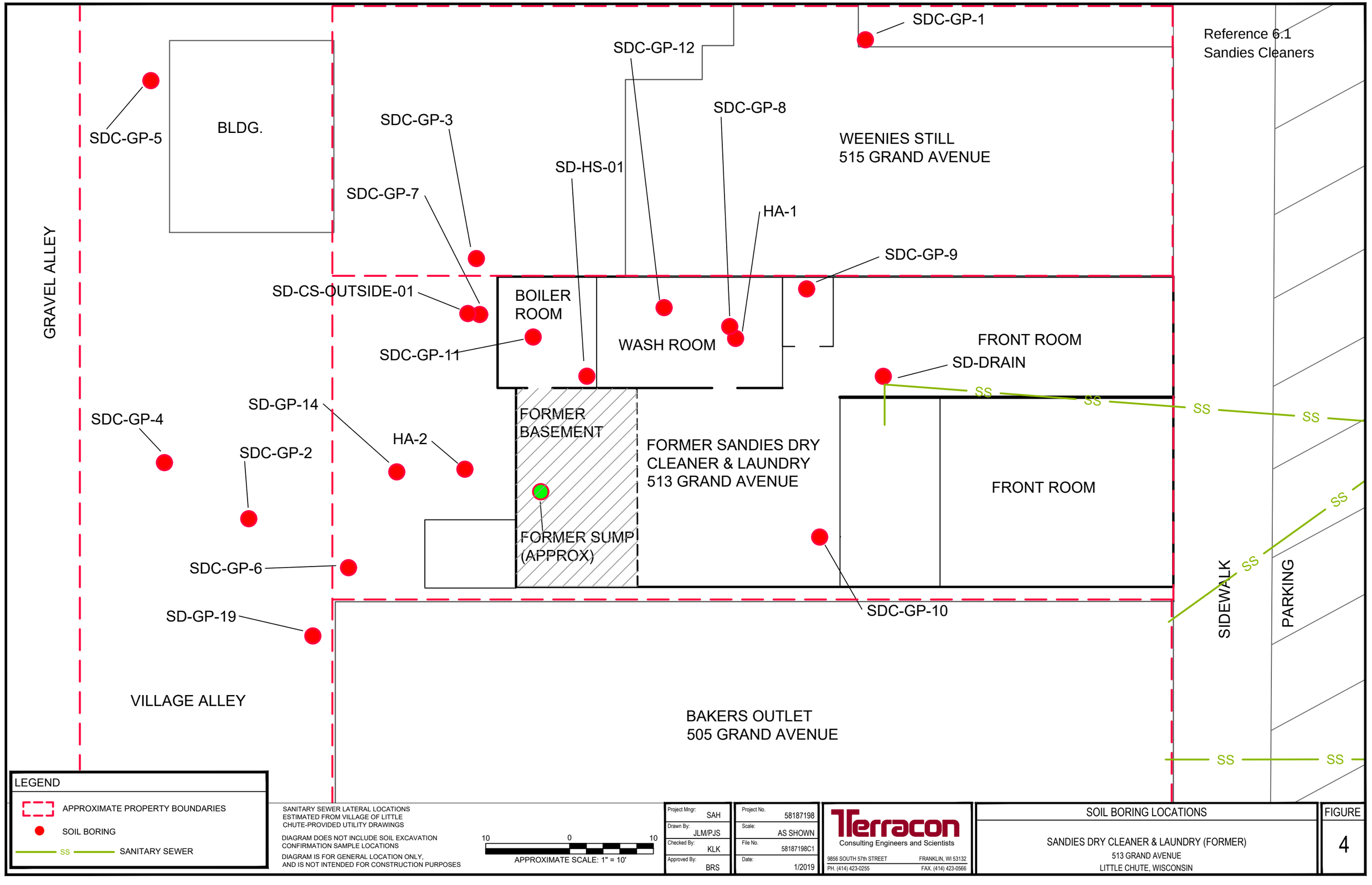

SDC-GP-1
Reference 6.1
Sandies Cleaners
SDC-GP-12
SDC-GP-5
BLDG.
SDC-GP-3
SDC-GP-8
WEENIES STILL
515 GRAND AVENUE
SD-HS-01
SDC-GP-7
HA-1
GRAVEL ALLEY
SDC-GP-9
SD-CS-OUTSIDE-01
BOILER
ROOM
WASH ROOM
FRONT ROOM
SDC-GP-11
SD-DRAIN
SS
SS
SS
SS
SD-GP-14
SDC-GP-4
FORMER
BASEMENT
HA-2
FORMER SANDIES DRY
CLEANER & LAUNDRY
513 GRAND AVENUE
SDC-GP-2
FRONT ROOM
FORMER SUMP
(APPROX)
SS
SDC-GP-6
SIDEWALK
PARKING
SS
SDC-GP-10
SD-GP-19
SS
SS
VILLAGE ALLEY
BAKERS OUTLET
505 GRAND AVENUE
LEGEND
APPROXIMATE PROPERTY BOUNDARIES
SOIL BORING
SS
SANITARY SEWER
SANITARY SEWER LATERAL LOCATIONS
ESTIMATED FROM VILLAGE OF LITTLE
CHUTE-PROVIDED UTILITY DRAWINGS
DIAGRAM DOES NOT INCLUDE SOIL EXCAVATION
CONFIRMATION SAMPLE LOCATIONS
DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES
10
0
10
APPROXIMATE SCALE: 1" = 10'
Project Mngr: SAH
Drawn By: JLM/PJS
Checked By: KLK
Approved By: BRS
Project No. 58187198
Scale: AS SHOWN
File No. 58187198C1
Date: 1/2019
Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566
SOIL BORING LOCATIONS
SANDIES DRY CLEANER & LAUNDRY (FORMER)
513 GRAND AVENUE
LITTLE CHUTE, WISCONSIN
FIGURE
4

TABLE 1
Historical Soil Analytic Test Results Summary

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

		Chlorinated VOCs of Concern (µg/kg)					Other Volatile Organic Compounds (µg/kg)										TCLP (mg/L)
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone (2-Propanone)	Benzene	2-Butanone (Methyl Ethyl Ketone)	Ethylbenzene	Methylene Chloride*	1,1,1,2-Tetrachloroethane	Toluene	m,p-Xylene	o-Xylene	Total Xylenes	TCLP Tetrachloroethene (mg/L)
Protection of Groundwater RCL[1]		*4.5*	*3.6*	*41.2*	*62.6*	*6.1*	*3.67*	*5.10*	*1,666*	*1,570*	*2.6*	*53.4*	*1,107.2*	*3,960.00*			NE
Non-Industrial Direct-Contact RCL[2]		33,000	1,300	156,000	1,560,000	67	63,400,000	1,600	2,800,000	8,020	61,800	2,780	818,000	260,000			NE
Industrial Direct-Contact RCL[2]		***145,000***	***8,410***	**2,340,000**	**1,850,000**	**2,080**	**100,000,000**	**7,070**	**28,400,000**	**35,400**	**1,150,000**	**12,300**	***818,000***	**260,000**			NE
20 x NR 661, Table 2, Regulatory Level (mg/L)[3]		14	10	NE	NE	4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.7
Sample Location (Depth in Feet)	**Sample Date**																
Terracon 2008 Limited Site Investigation																	
HA-1(1)	8/13/2008	125,000	<2,000	<2,400	<2,900	<1,700	--	<2,000	--	<1,600	<4,400	<2,700	<2,300	<3,300	<1,500	<4,800	-
HA-2(3)	8/13/2008	*4,500*	<20	<24	<29	<17	--	<20	--	<16	<44	<27	<23	<33	<15	<48	-
OTIE 2011 Site Assessment																	
SDC-GP-1-3'	4/6/2011	<6.1	<6.1	<6.1	<6.1	<12	*68*	<6.1	<12	1.5 J	<24	<12	1.8 J	2.5 J	<6.1	2.5 J	-
SDC-GP-2-2'	4/6/2011	*700*	*100*	*64*	16	<11	*170*	<5.7	16	1.4 J	<23	<11	2.1 J	2.4 J	<5.7	2.4 J	-
SDC-GP-3-2_5' (2.5')	4/6/2011	*120*	<6.8	<6.8	<6.8	<14	*160*	2.4 J	11 J	1.4 J	<27	<14	4.9 J	3.0 J	<6.8	3.0 J	-
SDC-GP-4-4'	4/6/2011	*5.5*	1.4 J	<5.7	<5.7	<11	*30 J*	3.1 J	<11	4.0 J	<23	<11	8.4	6.4	2.3 J	8.8	-
SDC-GP-5-3_5' (3.5')	4/6/2011	<9.3	<9.3	<9.3	<9.3	<19	*150*	<9.3	<19	2.0 J	<37	<19	2.4 J	4.5 J	<9.3	4.5 J	-
SDC-GP-6-14'	4/6/2011	*36,000*	<240	<240	<240	<490	<2,400	<240	<490	<240	<970	<490	<240	<240	<240	<240	-
SDC-GP-7-1_5' (1.5')	4/6/2011	*1,300*	<300	<300	<300	<600	<3,000	<300	<600	<300	<1,200	<600	<300	<300	<300	<300	-
SDC-GP-8-1'	4/6/2011	***390,000***	*120 J*	<410	<410	<820	<4,100	<410	<820	<410	<1,600	<820	<410	<410	<410	<410	-
SDC-GP-8-1-D'	4/6/2011	***1,400,000***	*430 J*	<600	<600	<1,200	<6,000	<600	<1,200	<600	<2,400	<1,200	<600	<600	<600	<600	-
SDC-GP-9-5'	4/6/2011	*19*	<5.9	<5.9	<5.9	<12	*23 J*	1.8 J	<12	2.8 J	<23	<12	4.6 J	3.3 J	1.2 J	4.5 J	-
SDC-GP-10-1'	4/6/2011	*1,500*	<320	<320	<320	<640	<3,200	<320	<640	<320	<1,300	<640	<320	<320	<320	<320	-
SDC-GP-11-2'	4/6/2011	*780*	<290	<290	<290	<580	<2,900	<290	<580	<290	<1,200	<580	<290	<290	<290	<290	-
SDC-GP-12-0_5' (0.5')	4/6/2011	***810,000***	*810*	<430	<430	<850	<4,300	<430	<850	<430	<1,700	*110 J*	<430	<430	<430	<430	**0.11**
OTIE 2011 Excavation and Additional Investigation																	
SD-CS-01 (West) (5')	9/23/2011	*2,300*	<5.5	<5.5	<5.5	<5.5	<83	<5.5	<83	<5.5	<11	--	<5.5	--	--	<17	-
SD-CS-02 (North) (4.5')	9/23/2011	*9.7*	<5.3	<5.3	<5.3	<5.3	<79	<5.3	<79	<5.3	<11	--	<5.3	--	--	<16	-
SD-CS-03 (Bottom) (6')	9/23/2011	*23*	<5.7	<5.7	<5.7	<5.7	<85	<5.7	<85	<5.7	<11	--	<5.7	--	--	<17	-
SD-GP-14-11'	9/29/2011	*6,700*	2.7 J	1.7 J	<0.78	<1.3	*13 J*	2.4 J	<2.8	3.1 J	<6.8	0.60 J	5.4	3.4 J	1.7 J	5.0	-
SD-GP-19-11'	9/29/2011	*180*	3.0 J	1.5 J	<0.72	<1.2	*9.5 J*	1.9 J	<2.6	2.0 J	<6.3	<0.43	4.3	2.1 J	0.83 J	2.9 J	-
SD-HS-01-25"	9/29/2011	*12,000*	<0.68	<0.61	<0.76	<1.3	*22 J*	2.2 J	<2.7	4.3	<6.6	1.5 J	4.8	3.7 J	2.1 J	5.8	-
SD-Drain-2'	9/30/2011	*240*	<0.64	<0.56	<0.71	<1.2	*35 J*	1.4 J	5.9 J	0.73 J	<6.1	<0.42	2.2 J	<1.1	<0.64	<0.64	-
SD-CS-04 (Int North) (6')	9/28/2011	*93*	<1.1	<1.0	<1.2	<2.1	*22 J*	2.5 J	<4.5	2.7 J	<11	<0.75	5.7 J	3.2 J	1.3 J	4.5 J	-

TABLE 1
Historical Soil Analytic Test Results Summary

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

		Chlorinated VOCs of Concern (µg/kg)					Other Volatile Organic Compounds (µg/kg)										TCLP (mg/L)
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Acetone (2-Propanone)	Benzene	2-Butanone (Methyl Ethyl Ketone)	Ethylbenzene	Methylene Chloride*	1,1,1,2-Tetrachloroethane	Toluene	m,p-Xylene	o-Xylene	Total Xylenes	TCLP Tetrachloroethene (mg/L)
Protection of Groundwater RCL[1]		*4.5*	*3.6*	*41.2*	*62.6*	*6.1*	*3.67*	*5.10*	*1,666*	*1,570*	*2.6*	*53.4*	*1,107.2*	*3,960.00*			NE
Non-Industrial Direct-Contact RCL[2]		33,000	1,300	156,000	1,560,000	67	63,400,000	1,600	2,800,000	8,020	61,800	2,780	818,000	260,000			NE
Industrial Direct-Contact RCL[2]		***145,000***	***8,410***	**2,340,000**	**1,850,000**	**2,080**	**100,000,000**	**7,070**	**28,400,000**	**35,400**	**1,150,000**	**12,300**	***818,000***	**260,000**			NE
20 x NR 661, Table 2, Regulatory Level (mg/L)[3]		14	10	NE	NE	4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.7
SD-CS-Outside-01 (4')	10/5/2011	2.1 J	<4.9	<4.9	<4.9	<9.7	<49	<4.9	<9.7	<4.9	*11 J*	<9.7	<4.9	<4.9	<4.9	<4.9	-
SD-CS-Outside-02 (7')	10/5/2011	*300*	<4.9	<4.9	<4.9	<9.8	<49	<4.9	<9.8	<4.9	*12 J*	<9.8	<4.9	<4.9	<4.9	<4.9	-
SD-CS-Outside-03 (6.5')	10/5/2011	*300*	0.94 J	<5.0	<5.0	<10	<50	<5.0	<10	<5.0	*12 J*	<10	<5.0	<5.0	<5.0	<5.0	-
SD-CS-Outside-04 (6.5')	10/5/2011	*160*	<4.8	<4.8	<4.8	<9.6	<48	<4.8	<9.6	<4.8	*11 J*	<9.6	0.99 J	<4.8	<4.8	<4.8	-
SD-CS-Outside-05 (7.5')	10/5/2011	*71*	<4.8	<4.8	<4.8	<9.6	<48	<4.8	<9.6	<4.8	*11 J*	<9.6	<4.8	<4.8	<4.8	<4.8	--
SD-CS-Outside-06 (4')	10/5/2011	*95*	<5.0	<5.0	<5.0	<9.9	<50	<5.0	<9.9	<5.0	*10 J*	<9.9	1.0 J	<5.0	<5.0	<5.0	--

Notes:
RCL = Residual Contaminant Level
VOC = Volatile Organic Compounds
TCLP = Toxicity Characteristic Leaching Procedure
µg/kg = micrograms per kilogram; units are in µg/kg unless otherwise noted
mg/L = milligrams per liter
[1] RCL for groundwater protection were taken from WDNR RR program RCL spreadsheet, December 2018 update. The RCLs were calculated by WDNR using the USEPA RSL calculator with Wisconsin default values per guidance PUB-RR-890, Soil Residual Contaminant Level Determination using the U.S. EPA Regional Screening Level Calculator (January 2014) through the latest update (RR-502h, Decemebr 2018)
[2] RCL for idustrial and non-industrial direct contact were taken from WDNR RR program RCL spreadsheet, December 2018 update. The RCLs were calculated by WDNR using the USEPA RSL calculator with Wisconsin default values per guidance PUB-RR-890, Soil Residual Contaminant Level Determination using the U.S. EPA Regional Screening Level Calculator (January 2014) through the latest update (RR-502h, Decemebr 2018)
[3] 20 x NR 661, Table 2, Regulatory Levels listed in milligrams per liter (equivalent to milligrams per kilogram) for Toxicity
* Methylene chloride is a common laboratory contaminant; reported values are not likely representative of actual conditions

Italic values indicate compound was detected above the Protection of Groundwater RCL
Underline values indicate compound detected above the non-industrial direct-contact RCL
Bold, italicized values indicate compound detected above the industrial direct-contact RCL

J = Detected between the limit of detection and the limit of quantitation, quantity estimated
" - " Indicates sample was not analyzed or not reported for the particular compound
" < " Indicates compound was not detected above the listed limit of detection
" NE " Indicates standard not established

TABLE 2
Historical Groundwater Elevations

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

Measured Location	Date	Depth to Groundwater*	Reference Elevation**	Groundwater Elevation	Screened Interval	Ground Surface Elevation
MW-1	12/13/2011	5.56	731.50	725.94	711.5 - 726.5	732
MW-1	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-1	12/18/2018	5.37	731.50	726.13	711.5 - 726.5	732
MW-2	12/13/2011	5.64	731.50	725.86	711.5 - 726.5	732
MW-2	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-2	12/18/2018	5.53	731.50	725.97	711.5 - 726.5	732
MW-3	12/13/2011	5.67	731.50	725.83	711.5 - 726.5	732
MW-3	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-3	12/18/2018	5.91	731.50	725.59	711.5 - 726.5	732

*Depth to ground water is measured from the top of the monitoring well riser pipe.
**Reference elevation from Oneida Total Integrated Enterprises (OTIE)
Measurements are in feet.

TABLE 3
Historical Groundwater Analytic Test Results Summary

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

		Chlorinated VOCs of Concern (µg/L)					Other Volatile Organic Compounds (µg/L)									
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	Benzene	Ethylbenzene	Methylene Chloride	1,1,1,2-Tetrachloroethane	Toluene	m,p-Xylene	o-Xylene	Total Xylenes	Total VOCs (µg/L)
NR 140, WAC, PAL[1]		*0.5*	*0.5*	*7*	*20*	*0.02*	*200*	*0.5*	*140*	*0.5*	*7*	*200*	*20*	*0.02*	*400*	---
NR 140, WAC, ES[2]		**5**	**5**	**70**	**100**	**0.2**	**1,000**	**5**	**700**	**5**	**70**	**1000**	**100**	**0.2**	**2,000**	---
Sample Location	**Sample Date**															
Temperary Wells																
SDC-GW-2	4/6/2011	**180**	<50.0	<50.0	<50.0	<20.0	<50.0	<50.0	<50.0	<100	<100	<50.0	<50.0	<50.0	<100	180
SDC-GW-8	4/6/2011	**1,500**	<500	<500	<500	<200	<500	<500	<500	<1000	<1000	<500	<500	<500	<1000	1,500
NR 141 Monitoring Wells																
MW-1	12/13/2011	<1.3	<0.90	<0.80	<1.1	<0.90	<5.8	<0.80	<0.90	<3.1	<1.1	<0.90	<1.7	<0.90	<0.90	ND
MW-1	2/1/2012	<0.50	<0.20	<0.50	<0.50	<0.20	--	<0.20	<0.50	<1.0	<0.25	<0.50	--	--	<0.50	ND
MW-1	12/18/2018	<0.33	<0.26	<0.27	<1.1	<0.17	--	<0.25	<0.22	<0.58	<0.27	<0.17	<0.47	<0.26	<0.73	ND
MW-2	12/13/2011	**8.0**	*1.4 J*	3.7 J	<1.1	<0.90	6.9 J	<0.80	<0.90	<3.1	<1.1	<0.90	<1.7	<0.90	<0.90	20
MW-2	2/1/2012	**5.6**	*0.59 J*	3.5	<0.50	<0.20	--	<0.20	<0.50	<1.0	<0.25	<0.50	--	--	<0.50	10
MW-2	12/18/2018	*3.8 J*	*1.2 J*	2.1	<1.1	<0.17	--	<0.25	<0.22	<0.58	<0.27	<0.17	<0.47	<0.26	<0.73	7
MW-3	12/13/2011	**310**	**19**	4.6 J	<1.1	<0.90	<5.8	<0.80	<0.90	<3.1	<1.1	<0.90	<1.7	<0.90	<0.90	334
MW-3 (Duplicate)	12/13/2011	**310**	**19**	4.5 J	<1.1	<0.90	<5.8	<0.80	<0.90	<3.1	<1.1	<0.90	<1.7	<0.90	<0.90	334
MW-3	2/1/2012	**390 J**	**19**	*9.5*	<0.50	<0.20	--	<0.20	<0.50	<1.0	<0.25	<0.50	--	--	<0.50	419
MW-3	12/18/2018	**225**	**20.6**	*11.9*	1.6 J	<0.17	**--**	<0.25	<0.22	<0.58	<0.27	<0.17	<0.47	<0.26	<0.73	259

Notes:

[1]Wisconsin Administrative Code (WAC), Chapter NR140 Groundwater Quality Preventive Action Limit (PAL)

[2]Wisconsin Administrative Code (WAC), Chapter NR140 Groundwater Quality Enforcement Standard (ES)

µg/L = indicates micrograms per liter

Underline Italic values indicate compound detected above the listed PAL

Bold values indicate compound detected above the listed ES

< = compound not detected above the listed laboratory limit of detection (LOD)

J = compound detected above the LOD but below the limit of quantitation (LOQ)

--- = indicates analyte not tested

TABLE 4
Air Analytic Test Results Summary-Sub-slab

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

Sample ID	Sampled By	Sample Date	Sample Type	Chlorinated VOCs of Concern-ppbv: Tetrachloroethene (PCE)	Trichloroethene (TCE)	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Other Volatile Organic Compounds-ppbv: Acetone	Benzene	1,3-Butadiene	2-Butanone	Chloroethane (Ethyl Chloride)	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,4-Dichlorobenzene	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Hexane	Heptane	Isopropyl Alcohol	Methylene Chloride	Propene (Propylene)	Styrene	1,1,1-Trichloroethane	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	Total-Xylene
Residential Sub-slab Vapor Risk Screening Level[1]				**210**	**13**	**NE**	**NE**	**22**	**470,000**	**37**	**14**	**60,000**	**130,000**	**8.0**	**1,500**	**670**	**150**	**9.0**	**1,700**	**15**	**670**	**83**	**NE**	**7,000**	**3,300**	**NE**	**6,000**	**NE**	**8,000**	**31,000**	**47,000**	**NE**	**430**	**430**	**770**	**770**
Indoor Air Residential Vapor Action Level[2]				6.2	0.39	NE	NE	0.65	14,000	1.1	0.42	1,800	3,800	0.24	45	20	4.4	0.27	52	0.43	20	2.5	NE	210	110	NE	180	NE	240	940	1,400	NE	13	13	23	23
Small Commercial Sub-slab Vapor Risk Screening Level[1]				**900**	**53**	**NE**	**NE**	**370**	**2,000,000**	**160**	**64**	**250,000**	**570,000**	**37**	**6,300**	**2,900**	**630**	**37**	**7,300**	**60**	**2,900**	**370**	**NE**	**29,000**	**15,000**	**NE**	**25,000**	**NE**	**33,000**	**130,000**	**190,000**	**NE**	**1,700**	**1,700**	**3,300**	**3,300**
Commercial Indoor Air Non-residential Vapor Action Level[2]				27	1.6	NE	NE	11	58,000	4.9	1.9	7,400	17,000	1.1	190	88	19	1.1	220	1.8	85	11	NE	870	440	NE	740	NE	1,200	4,000	5,700	NE	52	52	100	100
Large Commercial Sub-slab Vapor Risk Screening Level[1]				***2,700***	***160***	***NE***	***NE***	***1,100***	***5,800,000***	***490***	***190***	***740,000***	***1,700,000***	***110***	***19,000***	***8,800***	***1,900***	***110***	***22,000***	***180***	***8,500***	***1,100***	***NE***	***87,000***	***44,000***	***NE***	***74,000***	***NE***	***120,000***	***400,000***	***570,000***	***NE***	***5,200***	***5,200***	***10,000***	***10,000***
Commercial Indoor Air Non-residential Vapor Action Level[2]				*27*	*1.6*	*NE*	*NE*	*11*	*58,000*	*4.9*	*1.9*	*7,400*	*17,000*	*1.1*	*190*	*88*	*19*	*1.1*	*220*	*1.8*	*85*	*11*	*NE*	*870*	*440*	*NE*	*740*	*NE*	*1,200*	*4,000*	*5,700*	*NE*	*52*	*52*	*100*	*100*
Sandies Dry Cleaners-513 Grand Avenue																																				
SDC-SG-02	OTIE	4/20/2011	Sub-Slab	**22,000**	**24**	<7.4	<7.4	<7.4	<30	<7.4	<7.4	<30	<7.4	<7.4	<30	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	--	<59	<15	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<15	<22.4
Weenies Still-515 Grand Avenue																																				
SDC-SG-01	OTIE	4/20/2011	Sub-Slab	3.5	<0.50	<0.50	<0.50	<0.50	4.3	<0.50	<0.50	<2.0	<0.50	<0.50	<2.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	1.6	<0.50	--	<4.0	<1.0	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<1.0	<1.5
St. John School-328 Grand Avenue																																				
SSV-1	Enviro	8/16/2012	Sub-Slab	1.32	<0.34	<0.34	<0.34	<0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.34	--	--	--	--	--	--	--	--	--
SSV-2	Enviro	8/16/2012	Sub-Slab	0.480	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.085	--	--	--	--	--	--	--	--	--
SSV-3	Enviro	8/16/2012	Sub-Slab	3.89	<0.34	<0.34	<0.34	<0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.34	--	--	--	--	--	--	--	--	--
SSV-4	Enviro	8/16/2012	Sub-Slab	0.840	<0.34	<0.34	<0.34	<0.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.34	--	--	--	--	--	--	--	--	--
Residence-127 West Lincoln Avenue																																				
SSVNB	Enviro	3/14/2013	Sub-Slab	<0.43	<0.43	<0.43	<0.43	<0.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SSVSB	Enviro	3/14/2013	Sub-Slab	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residence-129 West Lincoln Avenue																																				
129_LINCOLN_SS	WDHS	6/1/2012	Sub Slab	<0.085	<0.085	<0.085	<0.085	<0.085	0.720	<0.085	<0.085	--	<0.085	<0.085	<0.085	0.391	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	0.506	<0.085	--	2.46	<0.085	<0.085	<0.085	0.118	0.137	<0.085	<0.085	<0.170	<0.255
Residence-135 West Lincoln Avenue																																				
135_LINCOLN_SS	WDHS	6/1/2012	Sub Slab	**1,450**	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80	<160	<80
135_LINCOLN_SS	WDHS	6/19/2012	Sub Slab	**804**	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	0.213	<100	<200	<300
Residence-203 West Lincoln Avenue																																				
203L-SSVN	WDHS	10/14/2013	Sub Slab	0.600	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
203L-SSVS	WDHS	10/14/2013	Sub Slab	0.29	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

ppbv = parts per billion volume
VOC = Volatile Organic Compounds
OTIE = Oneida Total Integrated Services
Enviro = Enviroforensics
WDHS = Wisconsin Department of Health Services
< = Not detected above listed limit of detection (LOD)
J = Detected between the limit of detection and the limit of quantitation, quantity estimated
--- = Not analyzed

[1] The Vapor Risk Screening Level (VRSL) value is the Vapor Action Level adjusted for sub-slab to indoor air for a residence, small commercial building, or large building by applying an attenuation factor of 0.03, 003, and 0.01, respectively for comparison with the analytical results.
[2] Vapor Action Level (VAL) for residential and small commercial indoor air is not applicable but is shown for informational purposes only to verify screening levels. The VAL for indoor air given as the lesser of 1:100,000 lifetime cancer risk or noncancer hazard index of 1 value in generic U.S EPA Tables (November 2018) at the web address: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm and modified for Wisconsin Vapor Intrusion Guidance PUB-RR-800 lifetime cancer risk (1:100,000)

Bold Type = Values indicate Wisconsin residential sub-slab VRSL exceedances
Bold/Underline Type = Values indicate Wisconsin small commercial sub-slab VRSL exceedances
***Bold/Underline/Italic Type* =** Values indicate Wisconsin large commercial sub-slab VRSL exceedances
NE = Not established

TABLE 5
Air Analytic Test Results Summary-Ambient Air

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

Sample ID	Sample Date	Sampled By	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	Benzene	1,3-Butadiene	2-Butanone (Methyl Ethyl Ketone)	Chloroethane (Ethyl Chloride)	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,4-Dichlorobenzene	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Hexane	Heptane	Isopropyl Alcohol	Methylene Chloride	Propene	Styrene	1,1,1-Trichloroethane	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	Total-Xylene
			Chlorinated VOCs of Concern-ppbv					Other Volatile Organic Compounds-ppbv																												
Indoor Air Residential Vapor Action Level[1]			**6.2**	**0.39**	**NE**	**NE**	**0.65**	**14,000**	**1.1**	**0.42**	**1,800**	**3,800**	**0.24**	**45**	**20**	**4.4**	**0.27**	**52**	**0.43**	**20**	**2.5**	**NE**	**210**	**110**	**NE**	**180**	**NE**	**230**	**940**	**1,400**	**NE**	**13**	**13**	**23**	**23**
Indoor Air Non-Residential Vapor Action Level[1]			**27**	**1.6**	**NE**	**NE**	**11**	**58,000**	**4.9**	**1.9**	**7,400**	**17,000**	**1.1**	**190**	**88**	**19**	**1.1**	**220**	**1.8**	**85**	**11**	**NE**	**870**	**440**	**NE**	**740**	**NE**	**1,200**	**4,000**	**5,700**	**NE**	**52**	**52**	**100**	**100**
Sandies Dry Cleaners-513 Grand Avenue																																			
SDC-01	2/17/2011	OTIE	**28.4**	<0.085	<0.085	<0.085	<0.085	4.78	0.324	<0.085	0.555	<0.085	<0.085	0.561	0.682	<0.085	<0.085	<0.085	<0.085	0.30	0.370	<0.085	0.296	0.443	--	0.37	0.871	<0.085	<0.085	3.05	<0.085	0.908	0.413	0.929	1.262
A01-513GRND-UL	3/11/2011	OTIE	**31**	<0.36	<0.36	<0.36	<0.36	7.1	<0.36	<0.36	<0.89	<0.36	<0.36	<0.89	0.59	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.89	0.78	<1.8	<3.6	<3.6	<0.36	<0.36	5.9	<0.36	0.62	<0.36	0.91	1.2
513 GND-GL-01	11/3/2011	OTIE	**150**	<0.39	<0.39	<0.39	<0.39	3.9	<0.39	<0.39	<0.97	<0.39	<0.39	<0.97	0.56	<0.39	<0.39	<0.39	<0.39	0.93	<0.39	<0.39	3.9	<0.39	<1.9	11	<3.9	<0.39	<0.39	0.62	<0.39	<0.39	<0.39	<0.77	<1.2
513 GND-GL-02	11/3/2011	OTIE	0.89	<0.35	<0.35	<0.35	<0.35	5.3	0.65	<0.35	<0.87	<0.35	<0.35	<0.87	0.58	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	0.49	<0.87	1.3	<1.7	4.8	<3.5	<0.35	<0.35	2.6	<0.35	1.8	0.51	<0.7	<1.0
513 GND-R-01	11/3/2011	OTIE	0.49	<0.35	<0.35	<0.35	<0.35	<3.5	0.67	<0.35	<0.88	<0.35	<0.35	<0.88	0.54	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.88	1.3	<1.8	<3.5	<3.5	<0.35	<0.35	1.7	<0.35	0.37	<0.35	<0.7	<1.1
513-Grand-1st-Flr	2/1/2012	OTIE	<0.31	<0.31	<0.31	<0.31	<0.31	6.5	<0.31	<0.31	<0.77	<0.31	<0.31	<0.77	0.57	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	0.37	<0.77	0.62	<1.5	<3.1	<3.1	<0.31	<0.31	2.2	<0.31	1	0.4	<0.62	<0.93
513-Grand-UL-2612	2/7/2012	OTIE	<0.37	<0.37	<0.37	<0.37	<0.37	9.4	<0.37	<0.37	<0.92	<0.37	<0.37	<0.92	0.52	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	0.59	<0.92	1.5	<1.8	<3.7	<3.7	<0.37	<0.37	3.3	<0.37	1.7	0.67	<0.74	<1.1
(OTIE) SD-Main-138	7/24/2012	OTIE	0.39	<0.34	<0.34	<0.34	<0.34	110	<0.34	<0.34	1.6	<0.34	<0.34	<0.85	1.2	<0.34	0.44	<0.34	<0.34	<0.34	<0.34	<0.34	<0.85	0.61	760	<3.4	35	<0.34	<0.34	2.5	14	<0.34	<0.34	<0.68	<1
(OTIE) SD-Back-163	7/24/2012	OTIE	0.43	<0.39	<0.39	<0.39	<0.39	98	<0.39	<0.39	1.6	<0.39	<0.39	<0.98	1.1	<0.39	0.43	<0.39	<0.39	<0.39	<0.39	<0.39	<0.98	0.67	710	<3.9	18	<0.39	<0.39	2.1	14	<0.39	<0.39	<0.78	<1.2
Weenies Still-515 Grand Avenue																																			
SDC-04	2/17/2011	OTIE	**24.0**	<0.085	<0.085	<0.085	<0.085	17.2	0.595	<0.085	0.923	<0.085	**0.460**	0.740	0.671	<0.085	<0.085	<0.085	**1.18**	2.7	0.439	<0.085	0.489	0.944	--	0.21 J	1.31	0.409	<0.085	3.10	<0.085	0.753	0.390	1.07	1.408
SDC-05 (Basement)	2/17/2011	OTIE	**32.9**	<0.085	<0.085	<0.085	<0.085	7.85	0.404	<0.085	0.635	<0.085	**0.247 J**	0.566	0.764	<0.085	<0.085	<0.085	**0.542**	1.1	0.425	<0.085	0.490	0.544	--	0.25 J	1.33	<0.085	<0.085	3.57	<0.085	0.900	0.425	1.06	1.441
SDC-06 (Upstairs Apt.)	2/17/2011	OTIE	**22.4**	<0.085	<0.085	<0.085	<0.085	33.4	**1.85**	<0.085	2.66	<0.085	**0.412**	3.19	0.548	<0.085	<0.085	<0.085	**0.945**	2.80	0.715	<0.085	0.542	0.664	--	0.295	13.6	0.810	<0.085	5.84	<0.085	0.876	0.401	1.67	2.215
SDC-07 (Roof Bckgrd)	2/17/2011	OTIE	0.338	<0.085	<0.085	<0.085	<0.085	3.07	0.447	<0.085	0.482	<0.085	<0.085	0.585	0.575	<0.085	<0.085	<0.085	<0.085	0.29	<0.085	<0.085	0.248 J	<0.085	--	<0.085	0.935	<0.085	<0.085	0.368	<0.085	<0.085	<0.085	<0.085	<0.170
A02-515GRND-GL	3/11/2011	OTIE	3.6	<0.38	<0.38	<0.38	<0.38	20	0.48	<0.38	<0.96	<0.38	**0.6**	1.1	0.54	<0.38	<0.38	<0.38	**0.67**	2.4	<0.38	<0.38	<0.96	0.48	31	<3.8	<3.8	<0.38	<0.38	1.5	0.44	<0.38	<0.38	<0.77	<1.2
A03-515GRND-UL	3/11/2011	OTIE	3.9	<0.35	<0.35	<0.35	<0.35	27	**1.7**	**2.2**	2	<0.35	**0.73**	3.6	0.52	<0.35	<0.35	<0.35	**0.59**	2.8	0.4	<0.35	<0.87	0.82	29	<3.5	10	0.49	<0.35	3.7	0.5	<0.35	<0.35	1.2	1.5
A04-515GRND-BL	3/11/2011	OTIE	5	<0.35	<0.35	<0.35	<0.35	4.3	<0.35	<0.35	<0.88	<0.35	<0.35	<0.88	0.54	<0.35	<0.35	<0.35	<0.35	0.56	<0.35	<0.35	<0.88	<0.35	<1.8	<3.5	<3.5	<0.35	<0.35	1.2	<0.35	<0.35	<0.35	<0.7	<1.1
515 GND-BL-01	11/3/2011	OTIE	<0.36	<0.36	<0.36	<0.36	<0.36	5.1	0.73	<0.36	<0.89	<0.36	<0.36	<0.89	0.55	<0.36	<0.36	<0.36	**3.1**	0.98	<0.36	<0.36	<0.89	0.85	<1.8	<3.6	<3.6	<0.36	<0.36	1.8	<0.36	<0.36	<0.36	<0.71	<1.1
515 GND-UL-01	11/3/2011	OTIE	<0.35	<0.35	<0.35	<0.35	<0.35	22	**1.5**	**1.4**	1.2	<0.35	<0.35	2	0.53	<0.35	<0.35	<0.35	**24**	5	<0.35	<0.35	<0.88	2	<1.8	<3.5	4.3	0.41	<0.35	3.1	0.72	<0.35	<0.35	0.9	1.2
515-Grand-Bsmnt	2/1/2012	OTIE	<0.35	<0.35	<0.35	<0.35	<0.35	8.7	0.47	**0.47**	<0.88	<0.35	<0.35	0.89	0.54	<0.35	<0.35	<0.35	**2.9**	1	<0.35	0.37	<0.88	0.49	2.4	<3.5	<3.5	<0.35	<0.35	2	<0.35	1.3	0.42	<0.7	<1.1
515-Grand-Upstairs	2/1/2012	OTIE	<0.38	<0.38	<0.38	<0.38	<0.38	44	**2.1**	**2.6**	3.2	0.5	<0.38	3.9	0.52	<0.38	<0.38	<0.38	**23**	7.3	0.73	0.4	<0.96	1.4	24	<3.8	14	0.73	<0.38	4.9	<0.38	1.2	<0.38	2.4	3
Bakers Outlet-505 Grand Avenue																																			
SDC-02	2/17/2011	OTIE	0.816	<0.085	0.302	<0.085	<0.085	4.74	0.859	<0.085	0.938	<0.085	<0.085	0.592	1.68	<0.085	<0.085	<0.085	<0.085	<0.085	0.348	<0.085	1.59	0.446	--	0.16 J	2.56	0.356	<0.085	1.49	<0.085	0.445	0.267 J	0.891	1.236
SDC-03	2/17/2011	OTIE	1.20	<0.085	0.375	<0.085	<0.085	3.68	0.520	<0.085	0.969	<0.085	<0.085	<0.085	0.893	<0.085	<0.085	<0.085	0.273 J	<0.085	0.301	<0.085	0.757	0.317	--	<0.085	1.53	<0.085	<0.085	0.833	<0.085	0.385	<0.085	0.698	0.983
A05-505GRND-BL	3/11/2011	OTIE	0.78	<0.38	<0.38	<0.38	<0.38	<3.8	0.44	<0.38	<0.95	<0.38	<0.38	<0.95	0.89	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.95	<0.38	<1.9	<3.8	<3.8	<0.38	<0.38	0.66	1.3	<0.38	<0.38	<0.76	<1.1
A06-505GRND-UL	3/11/2011	OTIE	<0.37	<0.37	<0.37	<0.37	<0.37	5.9	0.49	<0.37	<0.92	<0.37	<0.37	0.93	0.7	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.92	<0.37	<1.8	<3.7	<3.7	<0.37	<0.37	0.71	0.81	<0.37	<0.37	<0.73	<1.1
505 GND-BL-01	11/3/2011	OTIE	2.5	<0.33	<0.33	<0.33	<0.33	4.7	0.63	<0.33	0.92	<0.33	<0.33	<0.82	1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.82	0.94	<1.6	<3.3	<3.3	<0.33	<0.33	1.5	1.3	<0.33	<0.33	<0.66	<0.99
505-Grand-Bsmnt	2/1/2012	OTIE	1.1	<0.33	<0.33	<0.33	<0.33	5.3	<0.33	<0.33	1	<0.33	<0.33	<0.82	0.82	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.82	<0.33	<1.6	<3.3	<3.3	<0.33	<0.33	0.66	0.95	<0.33	<0.33	<0.66	<0.98
109-505 Grand	6/11/2012	ER	0.76	<0.36	<0.36	<0.36	<0.36	4	<0.36	<0.36	<0.9	<0.36	<0.36	<0.9	0.54	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.9	<0.36	2.3	<3.6	<3.6	<0.36	<0.36	<0.36	0.36	<0.36	<0.36	<0.72	<1.1
124-505C Grand	6/11/2012	ER	<0.36	<0.36	<0.36	<0.36	<0.36	4.4	<0.36	<0.36	<0.89	<0.36	<0.36	<0.89	0.44	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.89	<0.36	<1.8	<3.6	<3.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.71	<1.1
108 Main Street																																			
108 Main-R-01	11/3/2011	OTIE	<0.33	<0.33	<0.33	<0.33	<0.33	<3.3	0.6	<0.33	<0.81	<0.33	<0.33	<0.81	0.57	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.81	1.4	<1.6	<3.3	<3.3	<0.33	<0.33	1.3	<0.33	<0.33	<0.33	<0.65	<0.98
133 Main Street																																			
SDC-133 Main Bsmnt	4/4/2012	ER	0.82	<0.39	<0.39	<0.39	<0.39	<3.9	**1.7**	<0.39	<0.97	<0.39	<0.39	<0.97	1.5	<0.39	<0.39	<0.39	<0.39	<0.39	2.1	0.58	1.6	0.76	10	<3.9	<3.9	<0.39	<0.39	5.9	<0.39	1.8	0.51	6.1	7.8
Residence-521 Grand Avenue																																			
SDC-08 (Basement)	3/17/2011	WDHS	<0.085	<0.085	<0.085	<0.085	<0.085	5.06	0.714	<0.085	0.547	<0.085	<0.085	0.462	0.498	<0.085	<0.085	<0.085	<0.085	0.35	0.305	<0.085	0.288	<0.085	--	<0.085	0.168 J	<0.085	<0.085	0.759	<0.085	0.405	<0.085	0.709	0.998
SDC-09 (First Floor)	3/17/2011	WDHS	<0.085	<0.085	<0.085	<0.085	<0.085	28.3	**1.87**	<0.085	2.95	<0.085	<0.085	3.36	0.472	<0.085	<0.085	<0.085	<0.085	**24**	0.543	<0.085	0.970	0.525	--	<0.085	10.4	0.640	<0.085	3.15	<0.085	0.624	0.291	1.31	1.744
St. John School-328 Grand Avenue																																			
IA-1	8/16/2012	Enviro	0.44	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-2	8/16/2012	Enviro	0.860	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-3	8/16/2012	Enviro	1.56	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-4	8/16/2012	Enviro	3.82	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Outdoor Air	8/16/2012	Enviro	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residence-121 West Lincoln Avenue																																			
121 Lincoln Basement	10/20/2011	OTIE	<0.20	<0.20	<0.20	<0.20	<0.20	--	<0.20	--	--	<0.20	<0.20	0.52	0.42	<0.20	<0.20	<0.20	<0.20	--	<0.20	--	--	--	--	<0.50	--	<0.20	<0.20	0.28	0.38	<0.20	<0.20	<0.20	<0.40
SDC-121 Lincoln Bsmnt	4/4/2012	ER	<0.35	<0.35	<0.35	<0.35	<0.35	3.7	0.46	<0.35	<0.88	<0.35	<0.35	<0.88	0.49	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.88	0.39	<1.8	<3.5	<3.5	<0.35	<0.35	1.5	<0.35	<0.35	<0.35	<0.7	<1.1
Residence-127 West Lincoln Avenue																																			
IASB	3/14/2013	Enviro	0.34	<0.10	<0.10	<0.10	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IAFF	3/14/2013	Enviro	<0.11	<0.11	<0.11	<0.11	<0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OA	3/14/2013	Enviro	<0.09	<0.09	<0.09	<0.09	<0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IANB	3/14/2013	Enviro	<0.48	<0.48	<0.48	<0.48	<0.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
Air Analytic Test Results Summary-Ambient Air

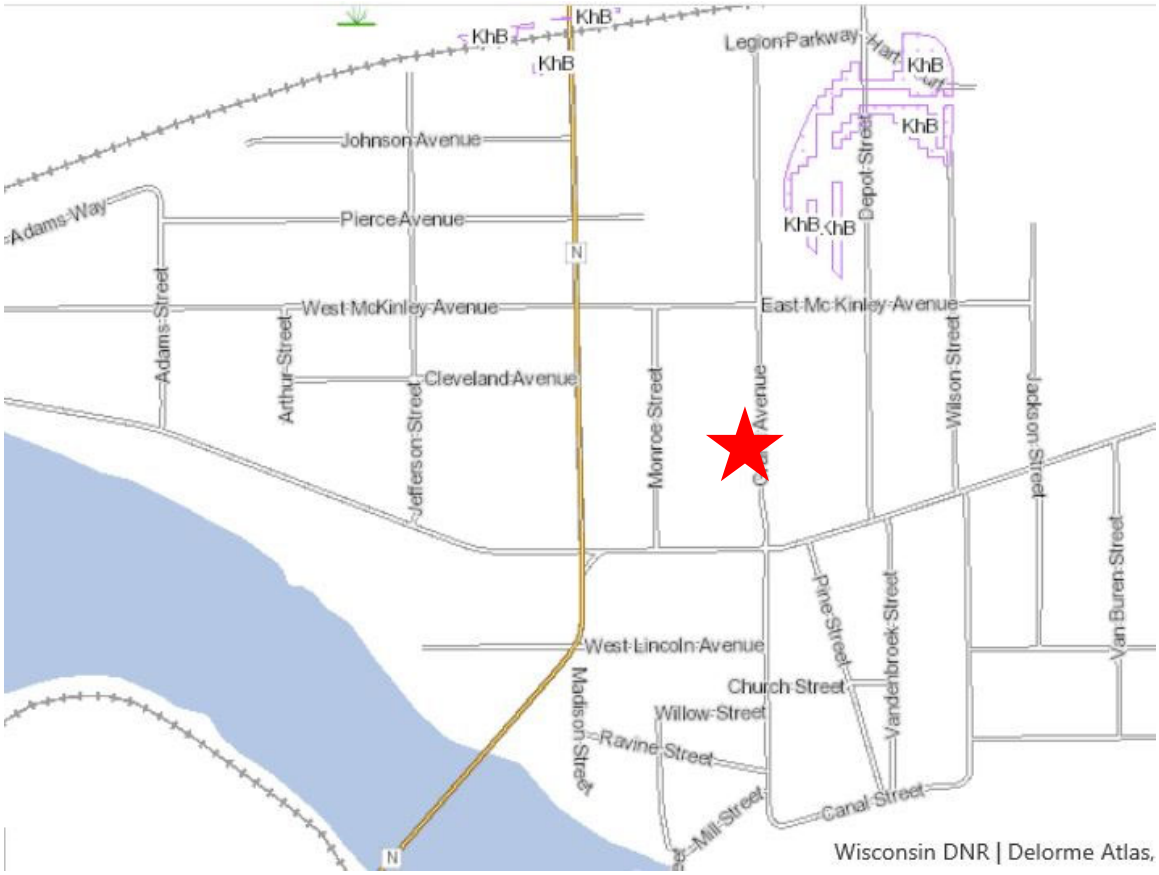
Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

			Chlorinated VOCs of Concern-ppbv					Other Volatile Organic Compounds-ppbv																													
Sample ID	**Sample Date**	**Sampled By**	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride	Acetone	Benzene	1,3-Butadiene	2-Butanone (Methyl Ethyl Ketone)	Chloroethane (Ethyl Chloride)	Chloroform	Chloromethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,4-Dichlorobenzene	Ethyl Acetate	Ethylbenzene	4-Ethyltoluene	Hexane	Heptane	Isopropyl Alcohol	Methylene Chloride	Propene	Styrene	1,1,1-Trichloroethane	Toluene	Trichlorofluoromethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	Total-Xylene
Indoor Air Residential Vapor Action Level[1]			**6.2**	**0.39**	**NE**	**NE**	**0.65**	**14,000**	**1.1**	**0.42**	**1,800**	**3,800**	**0.24**	**45**	**20**	**4.4**	**0.27**	**52**	**0.43**	**20**	**2.5**	**NE**	**210**	**110**	**NE**	**180**	**NE**	**230**	**940**	**1,400**	**NE**	**13**	**13**	**23**	**23**
Indoor Air Non-Residential Vapor Action Level[1]			**27**	**1.6**	**NE**	**NE**	**11**	**58,000**	**4.9**	**1.9**	**7,400**	**17,000**	**1.1**	**190**	**88**	**19**	**1.1**	**220**	**1.8**	**85**	**11**	**NE**	**870**	**440**	**NE**	**740**	**NE**	**1,200**	**4,000**	**5,700**	**NE**	**52**	**52**	**100**	**100**
Residence-129 West Lincoln Avenue																																				
SDC-129 Lincoln Bsmnt	4/12/2012	ER	<0.29	<0.29	<0.29	<0.29	<0.29	24	<0.29	<0.29	<0.73	<0.29	<0.29	<0.73	0.47	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.73	<0.29	<1.5	<2.9	<2.9	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.59	<0.88
Residence-135 West Lincoln Avenue																																				
135_Lincoln_IAB	6/20/2012	WDHS	0.807	<0.085	<0.085	<0.085	<0.085	34.1	0.097	<0.085	1.81	<0.085	0.129	0.662	1.12	<0.085	0.396	<0.085	<0.085	0.536	0.130	<0.085	0.144	0.444	--	0.573	1.50 J	0.151	<0.085	1.52	9.15	0.213	<0.085	0.356	0.458
135 Lincoln North	7/31/2012	ER	0.46	<0.3	<0.3	<0.3	<0.3	7.5	<0.3	<0.3	2	<0.3	<0.3	<0.76	1.4	<0.3	0.32	<0.3	<0.3	0.7	<0.3	<0.3	<0.76	0.81	38	<3	13	<0.3	<0.3	5.7	9.8	<0.3	<0.3	<0.61	<0.91
135_Lincoln_IANB	11/29/2012	WDHS	**6.30**	0.350	0.230	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135_Lincoln_IANB	12/18/2012	WDHS	4.80	0.340	0.200	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135_Lincoln_IASB	11/29/2012	WDHS	5.00	0.290	0.200	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
135_Lincoln_IASB	12/18/2012	WDHS	4.00	0.290	0.180	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-Background	1/20/2014	SCS	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-Basement North	1/20/2014	SCS	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-Basement South	1/20/2014	SCS	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA-Living Room	1/20/2014	SCS	<0.085	<0.085	<0.085	<0.085	<0.085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

ppbv = parts per billion volume
VOC = Volatile Organic Compounds
OTIE = Oneida Total Integrated Services
ER = Environmental Restoration LLC
Enviro = Enviroforensics
WDHS = Wisconsin Department of Health Services
SCS = SCS Engineers

< = Not detected above listed limit of detection (LOD)
J = Detected between the limit of detection and the limit of quantitation, quantity estimated
--- = Not analyzed
[1] Vapor Action Level (VAL) for residential and nonresidential indoor air given as the lesser of 1:100,000 lifetime cancer risk or noncancer hazard index of 1 value in generic U.S EPA Tables (November 2018) at the web address: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/ index.htm and modified for Wisconsin Vapor Intrusion Guidance PUB-RR-800 lifetime cancer risk (1:100,000) (Verified by Jennifer Borski, WDNR on 4/30/19)
Bold Type = Values indicate Wisconsin residential VAL exceedance
Bold/Underline Type = Values indicate Wisconsin nonresidential VAL exceedance
NE = Not established



Reference 7.1
Wetland Soil Map
Sandies Cleaners

Find the advice for eating fish from Wisconsin waters

County	
Advisory Area	

Advice for eating fish from the area you selected:

County: Brown, Outagamie, Winnebago
Advisory Area: FOX RIVER FROM LITTLE LAKE BUTTE DES MORTS TO THE DAM AT DEPERE
Includes: FOX RIVER, FOX RIVER LOCK CHANNEL-KAUKAUNA, LITTLE LAKE BUTTE DES MORTS

Women up to age 50 (child bearing age) and children (under age 15) may safely eat:

1 Meal Per Week	bluegill and sunfish, bullheads, crappies, inland trout
and	
1 Meal Per Month	channel catfish, pike, walleye, white bass, white perch, yellow perch, all other species and sizes
6 Meals Per Year	carp less than 28"
Do Not Eat	carp larger than 28", muskies

All men (15 and older) and older women (50 and older) may safely eat:

Unrestricted	bluegill and sunfish, bullheads, crappies, inland trout
1 Meal Per Week	pike, all other species and sizes
and	
1 Meal Per Month	channel catfish, muskies, walleye, white bass, white perch, yellow perch
6 Meals Per Year	carp less than 28"
Do Not Eat	carp larger than 28"

The above advice is due to the following pollutants:MERCURY, PCB
Date of Query:August 26 2019

Reference 8.1
Sandies Cleaners

Sources of Water Supply - Statistics

- For Raw Water Withdrawn, use metered volume of untreated water withdrawn from the source.
- For Finished Water Pumped, use metered volume of water pumped, adjusted for known meter errors. Describe known meter errors in Notes Section.
- If Finished Water is not metered, use Raw Water Withdrawn and subtract estimated water used in treatment.

	Sources of Water Supply (000's gal)						Total Gallons	
	Raw Water Withdrawn		Finished Water Pumped		Purchased Water (Imported)		Entering Distribution	
Month (a)	Ground Water (b)	Surface Water (c)	Ground Water (d)	Surface Water (e)	Ground Water (f)	Surface Water (g)	System (h)	
January	33,655		33,654				**33,654**	1
February	31,689		31,703				**31,703**	2
March	35,553		35,443				**35,443**	3
April	36,984		36,761				**36,761**	4
May	41,555		41,181				**41,181**	5
June	44,323		44,148				**44,148**	6
July	46,131		46,148				**46,148**	7
August	47,865		47,575				**47,575**	8
September	40,378		40,411				**40,411**	9
October	38,002		38,079				**38,079**	10
November	33,128		33,452				**33,452**	11
December	34,469		34,618				**34,618**	12
TOTAL	**463,732**	**0**	**463,173**	**0**	**0**	**0**	**463,173**	13

Reference 9.1
Water Supply Table
Sandies Cleaners

Reference 10.1
Sandies Cleaners

County Outagamie Twp. Little Chute City Sec.

(Office Record—Do not fill in)

NW, SW, NE, sec. 21, T21N, R18E | Village of Little Chute

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG, PREMISES DIAGRAM, and REPORT

For Official Record of the Board.

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Alphonse Coenen. Driller Anton Klaus

(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address R-R-4-Appleton, Little Chute, Outagamie County (City, village, township, county)

Address 1329 West Lawrence Street. Appleton, Wis.

Date of Report Mar-20 1937

Registered Mar-20 1937

Give below the location of the property on which well is drilled.

If incorporated village or city: City of Little Chute

Name Lot Blk. Street and No.

If unincorporated hamlet

Name County Twp. Highway

If Lake Shore Plat

Name of Plat Lake Lot Blk. Street

If Farm 2 Acre plat. Outagamie New Deper U.S. 41

County Twp. Sec. Highway

If School

County Twp. Sec. District

If other public building

Kind County Twp. Sec.

Miscellaneous

Kind County Twp. Sec.

WELL LOG and REPORT

Screens, Seals Grouts, etc.	Well Diagram (Each vertical line equals 1')	Kind of Casing, liner, shoe, etc. (Each horizontal line equals 5')	Formations State if dry or water bearing	Record of FINAL Pumping Test
	8 6 4 2 0 2 4 6 8 25 50 75 100 125 150 175 200 225 250 300 350 400 500 600 700	Dew 4 inch Standard weight Black Pittsburg Cased to 68 feet. Appleton Machine Co. forged steel drive shoe on. Cased driven 4 inches tight into the solid Blue Limestone rock a tight perfect shutoff.	Dry formation all way down to limestone rock. 60 feet of dry clay, 8 feet of hard pan mixed with layers of coarse gravel, 68 feet until solid limestone rocks, no water on top of rock, struck water at 150 feet, total depth of well is 154½ feet of 4 inch diameter	Duration of test. Hours 6½ hours. Pumping Rate. G. P. M. 10 Gal Depth of pump in well. Ft. 90 feet. Standing water-level. (from surface.) Ft. 46 feet Water level when pumping Ft. 70 Water. End of test. Check: Clear ✓ Cloudy Turbid Was well sterilized before test? Yes ✓ No Date Mar-9-37 To which Laboratory was sample sent? Oshkosh Date Mar-9-37 Was the well sealed on completion? Yes ✓ No How high did you leave casing above grade? 14 inches above ground, well tamped. Well was completed Mar-9 1937 Well Driller: Anton Klaus Signature. (Be sure to complete the report on the reverse side)

4426

PREMISES DIAGRAM

Reference 10.1
Sandies Cleaners

(See Rules)

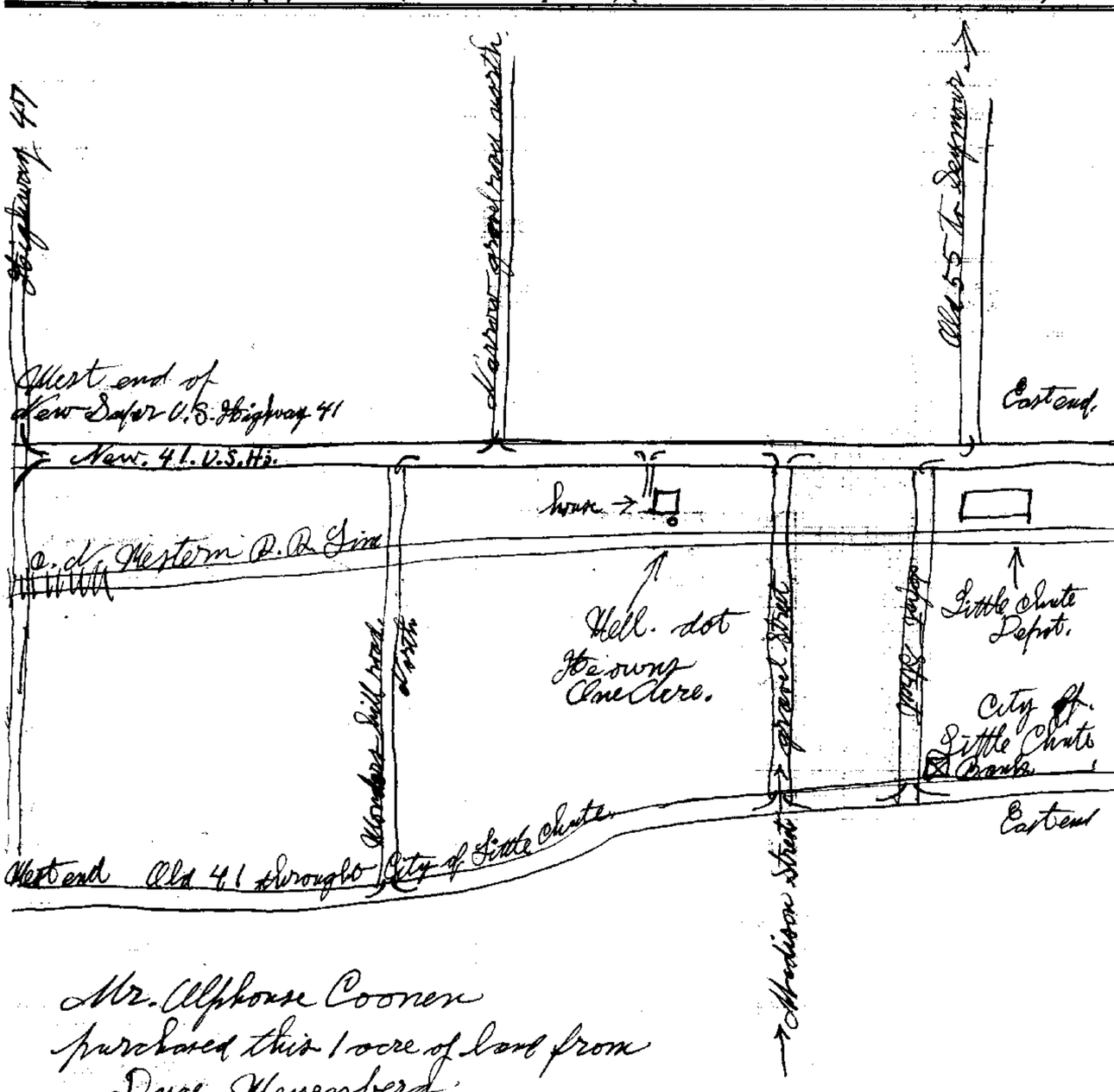
Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III for specimen Diagram.

REMARKS:

NORTH

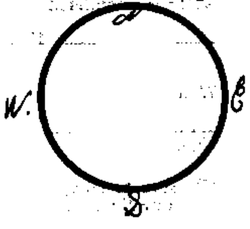
Indicate position of premises in the Section

Sec.....T.....R.....(E) (W) (Each division equals 10') (If more or less indicate: .....)



Mr. Alphonse Coonen
purchased this 1 acre of land from
Dave Meyenberg:
Meat Dealer of
Main Street, Little Chute.

Show in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

4426 – 2

Reference 10.1
Sandies Cleaners

County Outagamie Twp. [redacted] Sec.

(Office Record—Do not fill in)

SE corner, SW NE, Section 21, T21N, R18E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG, PREMISES DIAGRAM, and REPORT

For Official Record of the Board.

(TO BE USED FOR THAT PURPOSE ONLY)

Owner R.H. Keller New London Wis
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Riverview Filling Station
(City, village, township, county)

Hi 41 and Kimberly Bridge

Driller Albert Goldbeck & Son

Address 324 E Hancock St
Appleton Wis

Date of Report August 1936

Registration No. 191

Give below the location of the property on which well is drilled.

If incorporated village or city: ..... Name ..... Lot ..... Blk. ..... Street and No.

If unincorporated hamlet ..... Name ..... County ..... Twp. ..... Highway

If Lake Shore Plat ..... Name of Plat ..... Lake ..... Lot ..... Blk. ..... Street

If Farm ..... County ..... Twp. ..... Sec. ..... Highway

If School ..... County ..... Twp. ..... Sec. ..... District

If other public building ..... Kind ..... County ..... Twp. ..... Sec.

Miscellaneous Filling Station — now closed Kind ..... County ..... Twp. ..... Sec.

WELL LOG and REPORT

Screens, Seals Grouts, etc.	Well Diagram (Each vertical line equals 1")	Kind of Casing, liner, shoe, etc. (Each horizontal line equals 5')	Formations State if dry or water bearing	Record of FINAL Pumping Test
	8 6 4 2 0 2 4 6 8	0 to 48' - 4" Casing with shoe	0' to 30' Top Soil & Red clay	Duration of test. Hours 6 hrs.
	25		30' to 48' Hard Pan	
	50		48' to 56' - Hard Rock	Pumping Rate. G. P. M. 4
	75			Depth of pump in well. Ft. 38'
	100			Standing water-level (from surface,) Ft. 30
	125			Water level when pumping Ft. 30'
	150			Water. End of test. Check: Clear X - Red
	175			Cloudy with iron
	200			Turbid after standing
	225			Was well sterilized before test? Yes X No .....
	250			Date .....
	300			To which Laboratory was sample sent? Oshkosh
	350			Date Aug 36
	400			Was the well sealed on completion? Yes X No .....
	500			How high did you leave casing above grade? 15"
	600			Well was completed Aug. 1936
	700			Well Driller: Albert Goldbeck Signature & Son
				(Be sure to complete the report on the reverse side) back is blank

4425

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER BP223

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707

Form 3300-077A

Property Owner: HENERY ALTERGOTT, CIRCLE ACRES			Phone #: (920)734-9090
Mailing Address: UNKNOWN			
City: LITTLE CHUTE	State: WI	Zip Code: 54140	
County: Outagamie	Co. Permit #:	Notification #:	Completed: 08-05-1955

1. Well Location

Village of LITTLE CHUTE

Fire # (if avail.):

Subdivision Name	Lot #	Block #

Well Constructor (Business Name)	Lic. #	Facility ID # (Public Wells)
ED CHARLES		445041740

Method Code: GPS008

Address: 726 N. HURON ST.
DE PERE WI 54115

Well Plan Approval #:

Approval Date (mm-dd-yyyy):

or Govt Lot #	Section	Township	Range
	21	21 N	18 E

2. Well Type

of previous unique well # constructed in

Reason for replaced or reconstructed well ?
ON MUNI WATER - WELL kept for Irrigation

Hicap Permanent Well #	Common Well #	Specific Capacity
		300

3. Well serves # of TRAILER PARK
Other than Municipal/Community
Heat Exchange____# of drillholes

Hicap Well ? No
Hicap Property ? No
Hicap Potable ?

Construction Type: Drilled

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
8	Surface	40
6	0	40

Upper Enlarged Drillhole		Lower Open Bedrock
No	Rotary - Mud Circulation	No
No	Rotary - Air	No
No	Rotary - Air & Foam	No
No	Drill-Through Casing Hammer	
No	Reverse Rotary	
No	Cable-tool Bit ____in. dia...	No
	Dual Rotary	
No	Temp. Outer Casing ____in. dia	
No	Removed? ____depth ft. (If NO explain on back side)	

8. Geology

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
C	CLAY	Surface	15
G	ROCK	15	40
G	ROCKS	40	61

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	STANDARD	Surface	40
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

9. Static Water Level

12 ft. below ground surface

10. Pump Test

Pumping level 14 ft. below surface
Pumping at 600 GP for 2 Hrs.
Pumping Method ?

11. Well Is

24 in. above grade
Developed ? No
Disinfected ? Yes
Capped ? Yes

7. Grout or Other Sealing Material

Method

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed? No

13. Constructor / Supervisory Driller	Lic #	Date Signed
Drill Rig Operator	Lic or Reg #	Date Signed

4a. Potential Contamination Sources Is the well located in floodplain ? No

Comment: THE CIRCLE ACRES WELL IS FOR IRRIGATION ONLY AND IS NON-POTABLE. THEY HAVE A NEW PERMIT FOR THIS WELL DATED 02/10/2017 WITH THE VILLAGE, WITH BACTI SAMPLES COLLECTED. PER JERRY VERSTEGEN - MCO USE CHANGED FROM OTM TO XR JG 04/14/2017

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 12-27-2001 Created by: PROUDR Updated On: 04-14-2017 Updated by: PWS TRANSFER

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER BG584

Drinking Water and Groundwater - DG/5
Department of Natural Resources, Box 7921
Madison WI 53707

Form 3300-077A

Property Owner: LITTLE CHUTE, VILLAGE OF			Phone #: (414)788-7398
Mailing Address: 108 W MAIN ST			
City: LITTLE CHUTE	State: WI	Zip Code: 54140	
County: Outagamie	Co. Permit #:	Notification #:	Completed: 02-01-1974
Well Constructor (Business Name): LAYNE CHRISTENSEN COMPANY	Lic. #: 582	Facility ID # (Public Wells): 445033820	
Address: W229 N5005 DUPLAINVI PEWAUKEE WI 53072		Well Plan Approval #: 730121	
		Approval Date (mm-dd-yyyy): 02-26-1973	
Hicap Permanent Well #: 83484	Common Well #: 003	Specific Capacity: 4.2	
3. Well serves # of Municipal/Community		Hicap Well ? Hicap Property ? Hicap Potable ?	
Heat Exchange____# of drillholes			

1. Well Location

Village of LITTLE CHUTE

Fire # (if avail.)

Subdivision Name	Lot #	Block #

	Section	Township	Range
or Govt Lot #	21	21 N	18 E

Method Code: GCD013

2. Well Type New Well

of previous unique well # constructed in

Reason for replaced or reconstructed well ?

Construction Type: Drilled

4. Potential Contamination Sources - ON REVERSE SIDE

5. Drillhole Dimensions and Construction Method

Dia. (in.)	From (ft.)	To (ft.)
18	Surface	47.5
17	46.5	795
12	795	805

Upper Enlarged Drillhole / Lower Open Bedrock

- Rotary - Mud Circulation .....
- Rotary - Air .....
- Rotary - Air & Foam .....
- Drill-Through Casing Hammer
- Reverse Rotary
- Cable-tool Bit ____in. dia...
- Dual Rotary .....
- Temp. Outer Casing ____in. dia
  - Removed? ____depth ft. (If NO explain on back side)

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
18	A53B WELDED 0375 WALL	Surface	47.5
12	A53B 0375 WALL WELDED	2	320
Dia. (in.)	Screen type, material & slot size	From (ft.)	To (ft.)

7. Grout or Other Sealing Material

Method

8. Geology

Geology Codes				8. Geology Type, Caving/Noncaving, Color, Hardness, etc...	From (ft.)	To (ft.)
R		C		CLAY	Surface	45
	L	L		DOLOMITE SINNIPEE	45	175
	N	L		DOLOMITE @ SANDSTONE STP	175	185
E		H	S	SHALE STP	185	195
		L		DOLOMITE PDC	195	250
G		N		SANDSTONE PDC	250	270
		L	R	DOLOMITE PDC	270	365
P		L		DOLOMITE COON VALLEY	365	375
R		N	L	SANDSTONE COON VALLEY	375	380
O		N		SANDSTONE VAN OSER	380	395
P		N		SANDSTONE NORWALK	395	405
		N		SANDSTONE TUN CITY	405	525
I		N		SANDSTONE ELK MOUND	525	715
P		N		SANDSTONE ELK MOUND	715	795
R		Q		SYENITE PC	795	805

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
NEAT CEMENT	Surface	320	

9. Static Water Level
129 ft. below ground surface

10. Pump Test
Pumping level 319 ft. below surface
Pumping at 790 GP M for 9 Hrs.
Pumping Method ?

11. Well Is
0 in. _____ grade
Developed ?
Disinfected ?
Capped ?

12. Notified Owner of need to fill & seal ?

Filled & Sealed Well(s) as needed?

13. Constructor / Supervisory Driller	Lic #	Date Signed
Drill Rig Operator	Lic or Reg #	Date Signed

4a. Potential Contamination Sources Is the well located in floodplain ?

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 11-19-1998 Created by: HFRC LOAD Updated On: 11-20-2019 Updated by: PARCEL_MATCH

Reference 10.1
Sandies Cleaners

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Outagamie — Town ☒ / Village ☐ / City ☐ — Vandenbreek T21N
   Check one and give name

2. Location Route # 4 Range 18 East Sec. 21 Cedars Lock & Dam T21N
   Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Corps. of Engineers
   Name of individual, partnership or firm

4. Mail Address 428 Federal Building Milwaukee, Wisconsin
   Complete address required

RECEIVED
OCT 8 1953
ENVIRONMENTAL SANITATION

5. From well to nearest: Building 12 ft; sewer 30 ft; drain 30 ft; septic tank None ft;
   dry well or filter bed None ft; abandoned well 50 ft.

6. Well is intended to supply water for: Dwelling

SEND TWO COPIES OF REPORT PLEASE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	30	6	30	183

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel	0	30

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Dirt fill	0	2
Shellrock	2	6
Limestone	6	12
Blue Shale	12	13
Limestone Solid	13	72
Blue Shale	72	74
Limestone Solid	74	142
Sandrock Gray	142	168
Limestone White	168	183

11. MISCELLANEOUS DATA:

Yield test: 1 Hrs. at 36 GPM.

Depth from surface to water-level: 42 ft.

Water-level when pumping: 95 ft.

Water sample was sent to the state laboratory at:

Oshkosh City on October 5 1953

Construction of the well was completed on:

October 3 1953

The well is terminated 9 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature R. J. SCHAFER & SONS
Registered Well Driller

Fremont, Wisconsin
Complete Mail Address

Please do not write in space below

Rec'd OCT 6 1953 No. 12048

Ans'd

Interpretation Unsafe

4417

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+	+	+	+
48 hrs.					
Confirm					
B. Coli					

Examiner

Reference 10.1
Sandies Cleaners

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
JAN 30 1950
BUREAU
SAN. ENG.

1. County Outagamie { Town / Village / City } Vanden Broek

2. Location Sec. 21, R. 18E, T. 21N

3. Owner or Agent Norbert Vander Putten

4. Address R 4 Appleton Wis.

5. From well to nearest: Building 6 ft; sewer 42 ft; drain 50 ft; septic tank 45 ft; dry well or filter bed 100 ft; abandoned well - ft.

6. Well is intended to supply water for: Restaurant

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
6	0	62

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel pipe	0	55

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	55

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
This well was drilled about a year ago, but not used until 1/13/50		

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water: 45 ft.

Water-level when pumping: 52 ft.

Water sample sent to laboratory at Green Bay on Dec. 28 19 49

Signature Mike Becker
Registered Well Driller

4418

Construction of the well was completed on see note above 19

The well is terminated _____ inches (above) (below) the permanent grade.

Was the well disinfected upon completion?

Yes_____ No_____

Was the well sealed watertight upon completion?

Yes_____ No_____

West Wrightstown, Wis.
Complete Mail Address

WELL MODIFICATION

Ou-36

Wel. 6-30M (6-50)

December 6,1950

Reference 10.1
Sandies Cleaners

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

Ou-36-G

1. County Outagamie — Town ☐ Village ☒ Little Chute City ☐ (Check one and give name)

2. Location Village of Little Chute Well #1 — SW SW Sec. 22 — T21N R18E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Village of Little Chute
Name of individual, partnership or firm

4. Mail Address Little Chute, Wisconsin
Complete address required

5. From well to nearest: Building____ft; sewer____ft; drain____ft; septic tank____ft; dry well or filter bed____ft; abandoned well____ft.

6. Well is intended to supply water for: municipal use

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
			SEE INFORMATION ON REVERSE SIDE		

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

Kind	From (ft.)	To (ft.)

Construction of the well was completed on:

1950 19____

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes____ No____

Was the well sealed watertight upon completion?

Yes____ No____

11. MISCELLANEOUS DATA:

Yield test: ____ Hrs. at ____ GPM.

Depth from surface to water-level: ____ ft.

Water-level when pumping: ____ ft.

Water sample was sent to the state laboratory at:

____ (City) on ____ 19____

LAYNE NORTHWEST CO. 6005 W. Martin Drive, Milwaukee, Wis. Permit #29

Signature Layne Northwest Co. per Robert F. Schuf
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd____ No.____

Ans'd ____

Interpretation ____

4430

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner____

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

Note: The Well Construction Report (Well Log) may be forwarded with the water sample from a newly constructed or reconstructed well, instead of the report requested by the State Laboratory of Hygiene, on the form which accompanies the sample bottle.

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., may be given here:

This well was reamed and drilled to 12" diameter to a depth of 734 ft. The original depth was 420 ft. Sandstone was encountered throughout the entire depth of new hole from 420 ft. to 734 ft. Static water level after completion of deepening was 38 ft. Water was pumped for 8 hours at a rate of 339 gpm with a pumping level of 44 ft.

4430-2

If more space is needed another sheet may be attached.

Reference 10.1
Sandies Cleaners

WELL NO. 2.

OU-37

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OU-37

MAR 16 1948

1. County Outagamie { Town ☐ Village ☒ City ☐ } Little Chute, Wisconsin
   Check one and give name

2. Location Little Chute, Wisconsin — NW, NE, sec. 21, T21N, R18E
   Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☐ or Agent ☐ Village Water Works - Well #2
   Name of individual, partnership or firm

4. Mail Address Little Chute, Wisconsin
   Complete address required

5. From well to nearest: Building 1000 ft; sewer ? ft; drain ? ft; septic tank ? ft;
   dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Village Water Works

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
20	0	153'1"
12	153'11"	772'

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
20	Steel	0	53'1"
12	G.W.I.	0	153'1"

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	0	153'1"

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Glacial Drift	0	53'
Lime & Sandstone	53	772

11. MISCELLANEOUS DATA:

Yield test: 48 Hrs. at 497 GPM.

Depth from surface to water: 54 ft.

Water-level when pumping: 154 ft.

Water sample sent to laboratory at

Stephl Laboratory on March 6, 1948

Signature J. S. Equen
Registered Well Driller

4427

Construction of the well was completed on March 4 1948

The well is terminated 15 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

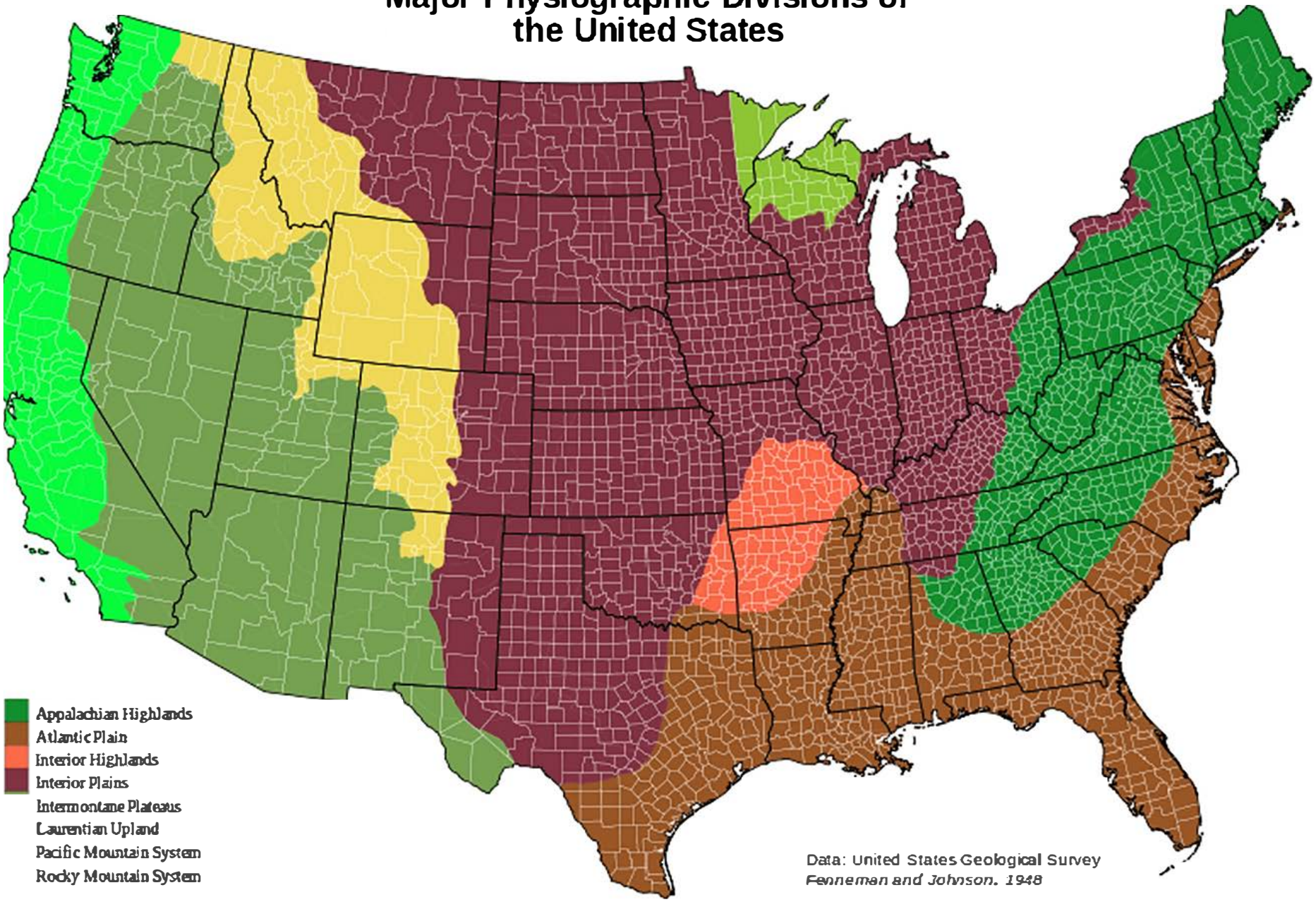
Was the well sealed watertight upon completion?

Yes X No

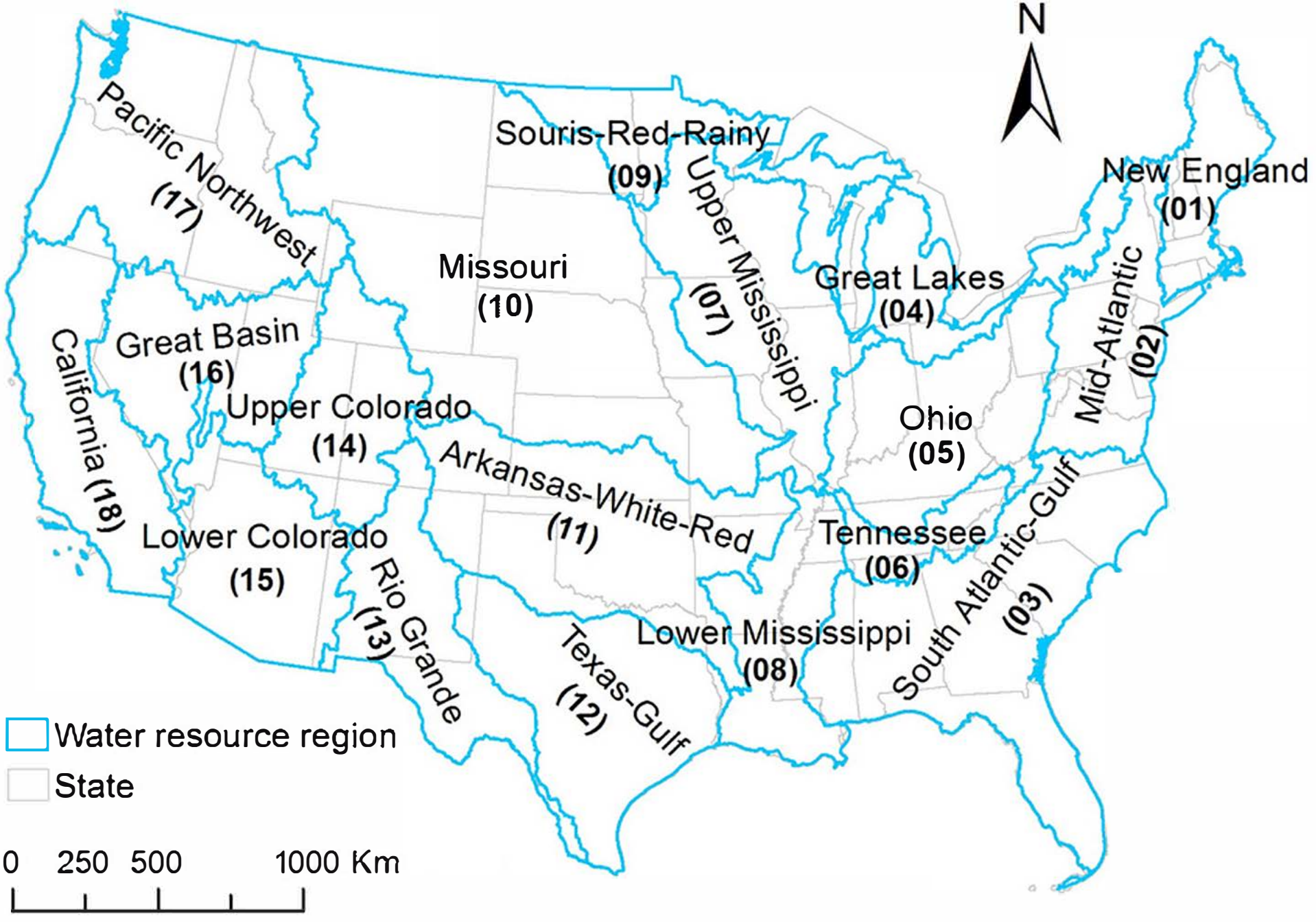
1012 North Third Street
Complete Mail Address

Milwaukee 3, Wisconsin

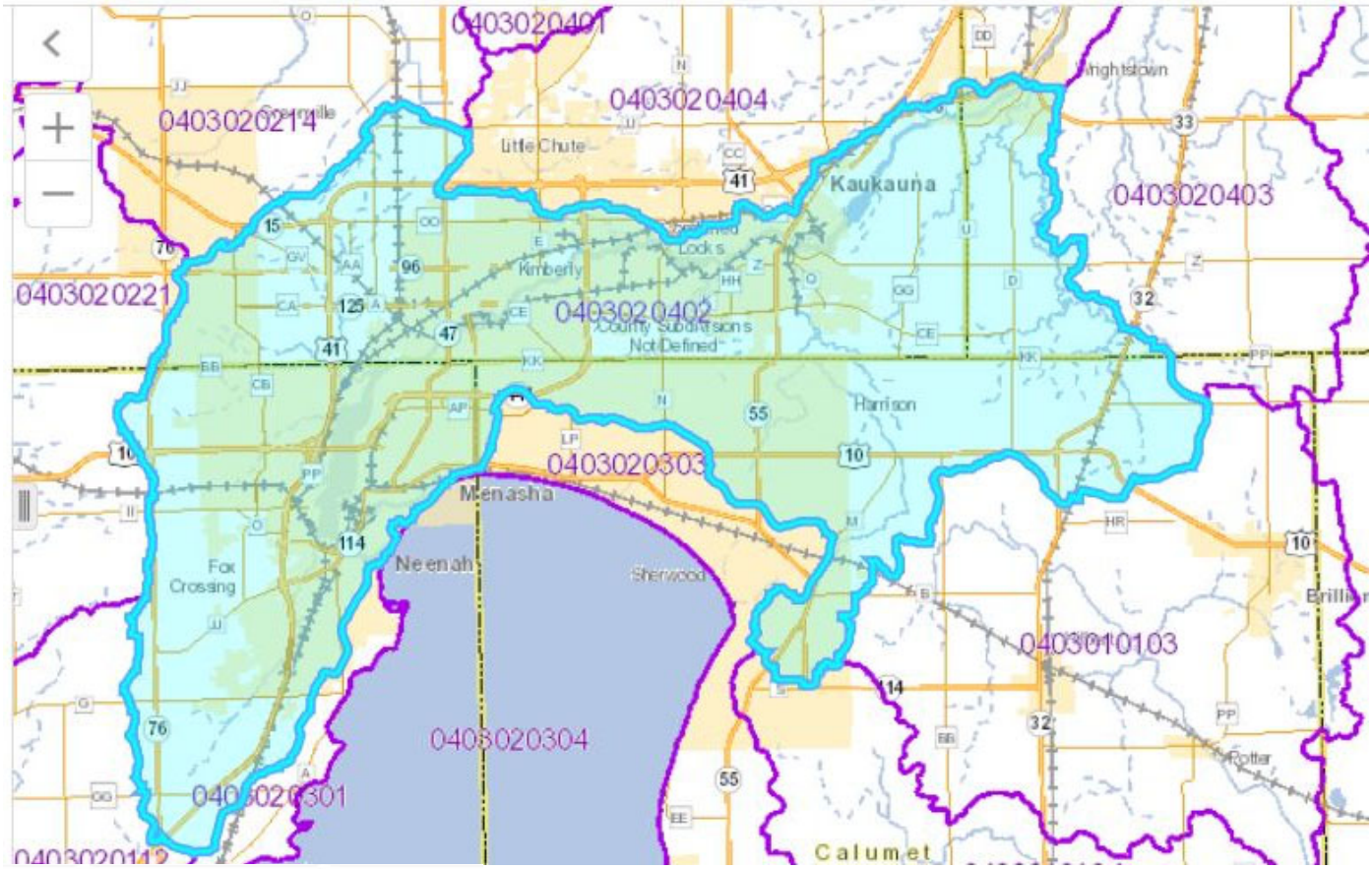
Major Physiographic Divisions of the United States



Reference 11-1
Parcel J Site Assessment



Reference 11-2
Parcel J Site Assessment



10-digit HUC Code: 0403020402

Description

10 Digit HUC (Watershed) More Information & Metadata

Details

Hydrologic Unit Code (HUC)
0403020402

HUC Name
Plum Creek-Fox River

Reference 12.1
Watershed Map
Sandies Cleaners

freshwaternetwork.org/wisconsin/#

Tools Help

0013 Door Coun...

Previous Next Options

Reference 13.1
Watershed Map
Sandies Cleaners

esign: A Watershed Approach Wisconsin's Waters, Wetlands and Watersheds

rsheds Explorer

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Surface Water Supply
Shoreline Protection
Carbon Storage
Floristic Integrity

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Shallow Marsh Guild
Open Waters Guild

Guild
Guild

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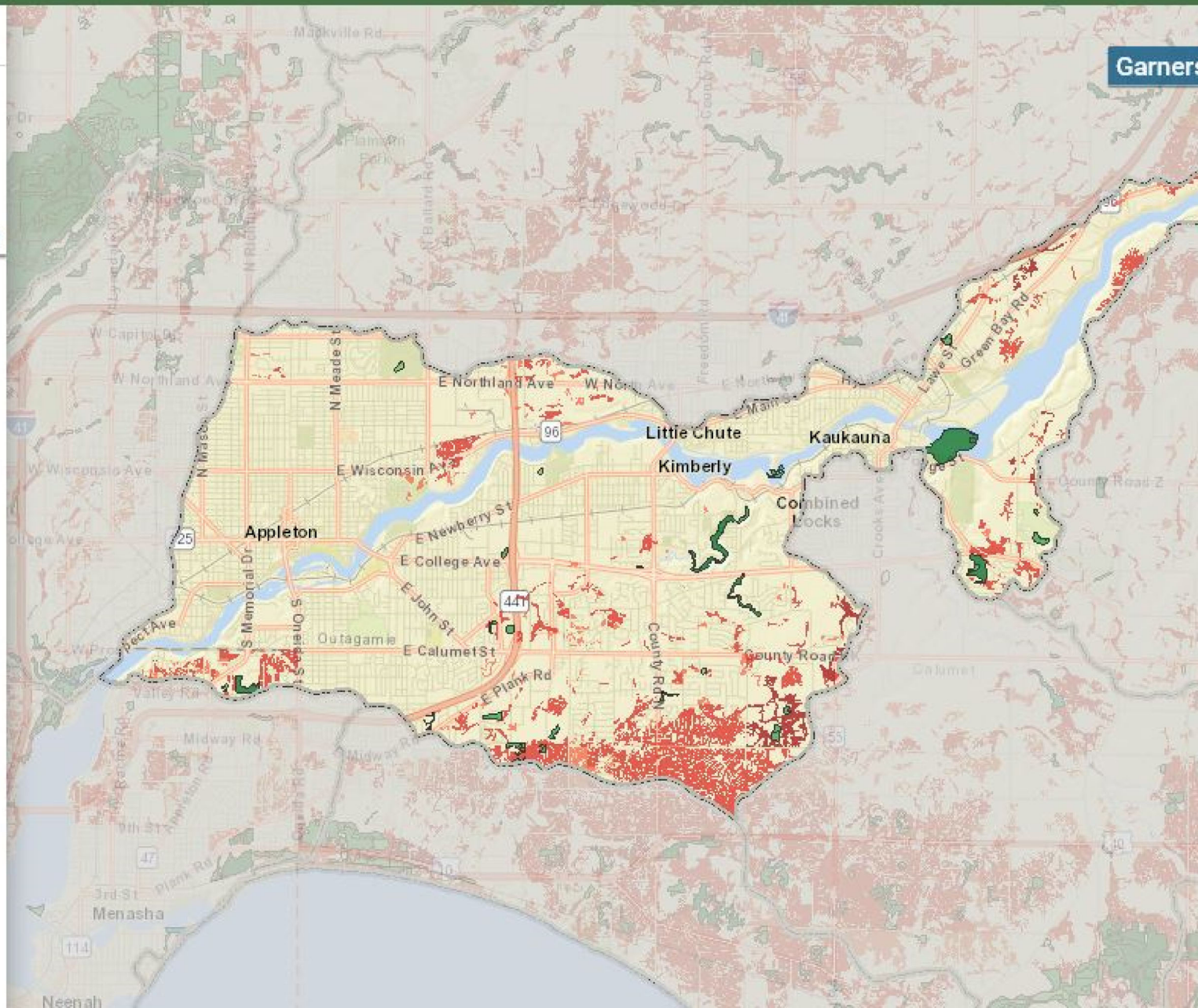
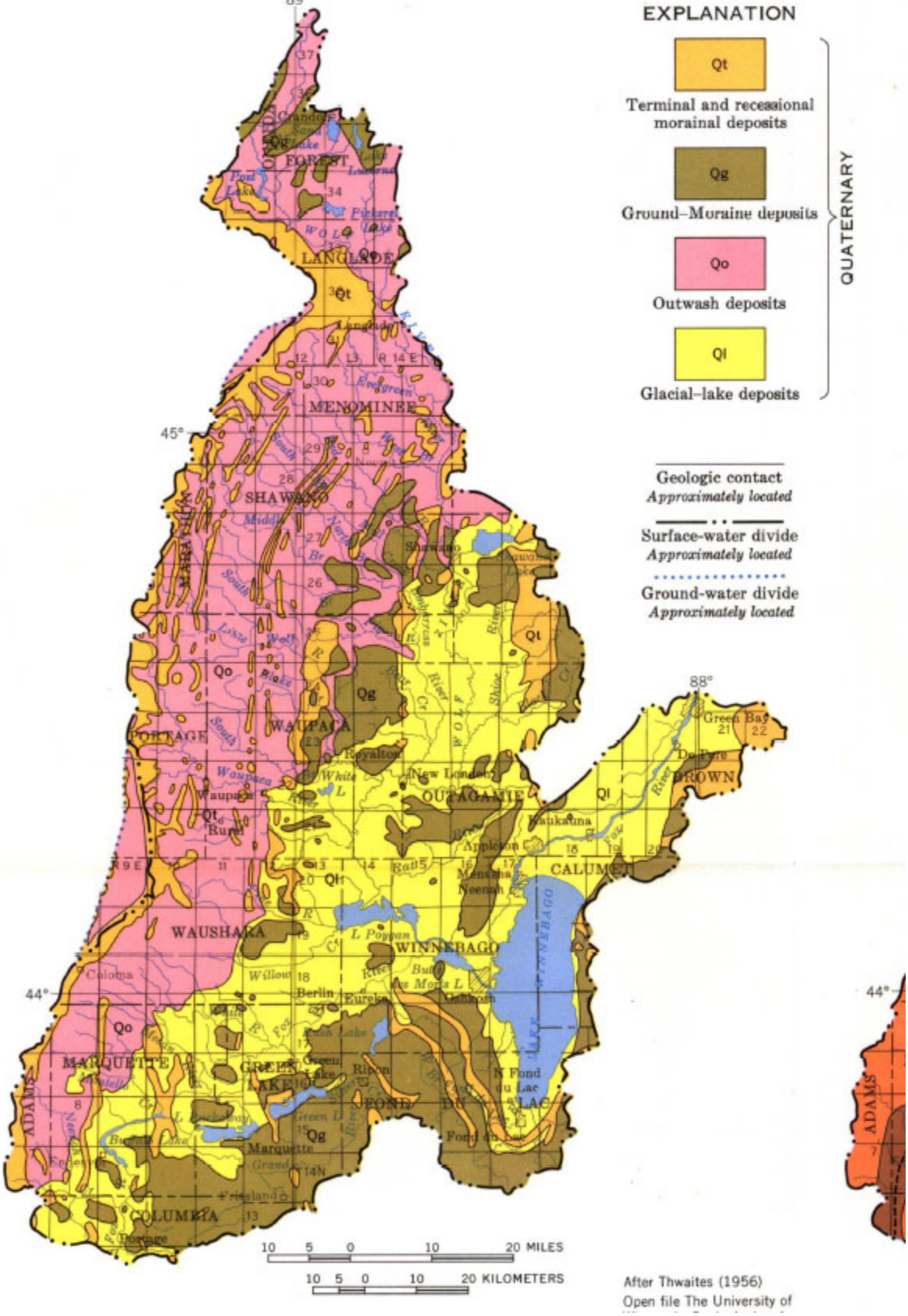
Transparent





After Thwaites (1956)
Open file The University of

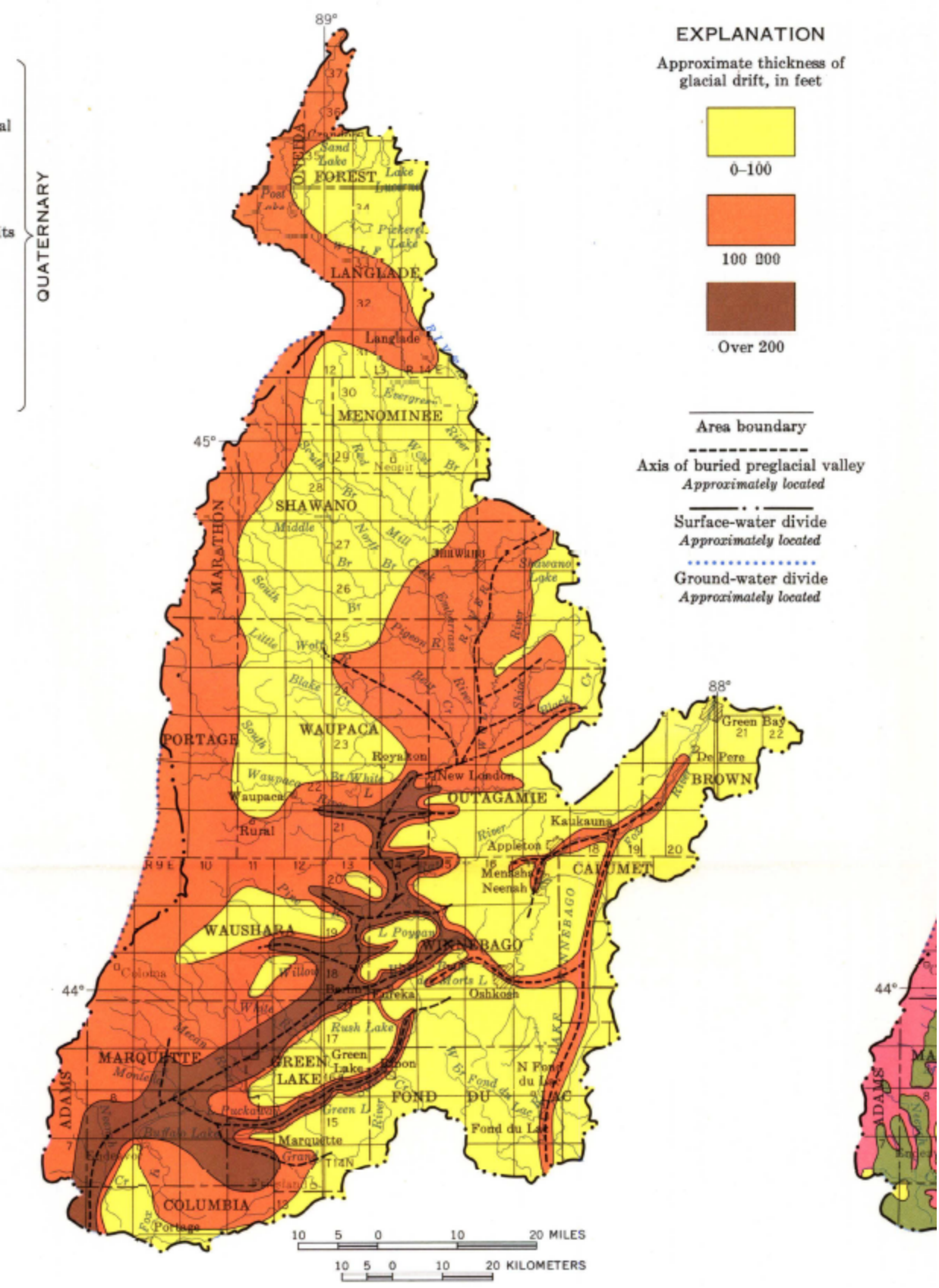
Reference 14.1
Sandies Cleaners

WATER RESOURCES OF WISCONSIN–FOX-WOLF RIVER BA

By
Perry G. Olcott

1968

Reference 14.1
Sandies Cleaners



Reference 15.1
Sandies Cleaners

WATER RESOURCES OF WISCONSIN–FOX-WOLF RIVER BA

By
Perry G. Olcott

1968

Reference 15.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.1"
Long 88° 23' 41.2"

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	95%		0	0.0 - 0.67 Dark brown gravely clay.	GC			NA						Visual and olfactory screening.
			1	0.67 - 3.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			NA						
			2											
			3											
			3.5	3.5 - 6.5 (FILL) Same as above, except black with slight hydrocarbon odor.	CL			NA						
			4											
			5											
			6											
2	70%		6.5	6.5 - 7.5 (FILL) Same as above, except and no hydrocarbon odor.	CL			NA						
			7											
			7.5	7.5 - 9.5 Dark brown silty clay with slight hydrocarbon odor.	CL			NA						
			8											
			9											
			9.5	9.5 - 9.5 Drive refusal at 9.5 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

Form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.5"
Long 88° 23' 40.1"

Local Grid Location
_____ Feet ☐ N _____ Feet ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.33 Parking lot gravel.	GW									Visual and olfactory screening.
			2	0.33 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			NA						
			4											
			6		CL									
	90%			5.0 - 10.0 (FILL) Same as above, except slight hydrocarbon odor.				NA						
			8											
3	50%		10	10.0 - 15.0 (FILL) Same as above, except black and moist.	CL			NA						
			12											
			14											
4	100%			15.0 - 17.5 Light brown, medium sand, 10% gravel, organic odor and moist.	CL			NA						
			16											
			18	17.5 - 17.5 Drive refusal at 17.5 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Page 1 of _____

Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-3

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No.: _ _ _ _ _ _ _	DNR Well ID No.: _ _ _ _ _	Well Name:	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.9" Long 88° 23' 40.8"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	75%		0	0.0 - 0.33 Dark brown gravely clay.	GC CL			NA						Visual and olfactory screening.
			2	0.33 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.				NA						
			4											
			6		CL									
	75%		8	5.0 - 10.0 (FILL) Same as above, except black with strong hydrocarbon odor and moist.				NA						
3	60%		10	10.0 - 12.5 (FILL) Same as above, except no odor.	CL			NA						
			12	12.5 - 12.5 Drive refusal at 12.5 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Page 1 of ____

Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-4

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _ _ _	DNR Well ID No. _ _ _ _ _ _ _	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane ____ N, ____ E
____ 1/4 of ____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.7" Long 88° 23' 41.6"
Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	75%		0	0.0 - 0.33 Dark brown gravely clay.	GW CL									Visual and olfactory screening.
			2	0.33 - 4.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments. With strong hydrocarbon odor.				NA					
			4		CL									
			6											
2	50%		8	4.5 - 11.0 (FILL) Same as above, except black and saturated with hydrocarbons.				NA						
			10											
3	100%		12	11.0 - 12.0 Reddish-brown clay, soft, moist with gravel at bottom.	GC			NA						
				12.0 - 12.0 Drive refusal at 12 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

___s form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file ___ form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.9"
Long 88° 23' 42.8"

Local Grid Location
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.33 Parking lot gravel.	GW			NA						Visual and olfactory screening.
				0.33 - 9.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			NA						
			2											
			3											
			4											
			5											
			6											
			7											
			8											
2	60%		9	9.0 - 10.0 (FILL) Same as above, except black and moist with slight hydrocarbon odor.	CL			NA						
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.0"
Long 88° 23' 41.8"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		1	0.0 - 0.25 Asphalt surface.	CL			NA						Visual and olfactory screening.
			2	0.25 - 7.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.				NA						
			3											
			4											
			5											
			6											
			7											
2	75%		8	7.5 - 9.0 Reddish-brown sandy clay, slightly moist.	CL			NA						
			9	9.0 - 9.0 Drive refusal at 9 feet bgs.										No sample taken.

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	Altech Services, L.L.C.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		____ Feet MSL	____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane ____ N, ____ E
____ 1/4 of ____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.3"
Long 88° 23' 42.2"

Local Grid Location ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	90%		0	0.0 - 0.33 Asphalt surface.	CL			NA						Visual and olfactory screening.
				0.33 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.				NA						
2	40%		5	5.0 - 9.0 (FILL) Same as above, no odor.	CL			NA						
			9	9.0 - 9.0 Drive refusal at 9 feet bgs.										No sample taken.

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Signature	Firm
	Altech Services, L.L.C.

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Department of Natural Resources

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-8

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _ _ / DNR Well ID No. _ _ _ / Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☑
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.0"
Long 88° 23' 42.6"

Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		1	0.0 - 0.25 Asphalt surface.	CL			NA						Visual and olfactory screening.
			2	0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.				NA						
			3											
			4											
2	80%		5	5.0 - 10.0 Reddish-brown sandy clay, dry.	CL			NA						
			6											
			7											
			8											
			9											
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										No sample taken.

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Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-9

Boring Drilled By: Name of crew chief (first, last) and Firm. First Name: Robert Last Name: Bonsall. Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _ _	DNR Well ID No. _ _ _ _	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.0" Long 88° 23' 43.8"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	75%			0.0 - 0.25 Asphalt surface.				NA						Visual and olfactory screening.
				0.25 - 1.5 Concrete foundation.				NA						
				1.5 - 1.5 Drive refusal at 1.5 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Altech Services, L.L.C.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-10

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane _____ N, _____ E _____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E	Lat 44° 15' 17.5" Long 88° 23' 44.4"	Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	75%		0	0.0 - 0.25 Dark brown organic soil.	PT			NA						Visual and olfactory screening.
				0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			NA						
2	65%		5	5.0 - 8.0 (FILL) Same as above, except moist and no odor.	CL			NA						
			8	8.0 - 8.0 Drive refusal at 8 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-11

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _ _ / DNR Well ID No. _ _ _ / Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 16.7" Long 88° 23' 45.2"
Local Grid Location: _____ Feet ☐ N _____ Feet ☐ S ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60%		0	0.0 - 0.25 Asphalt surface.										
			2	0.25 - 3.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments. With strong hydrocarbon odor.	CL									
			4		CL									
			6		CL									
				3.0 - 5.0 (FILL) Same as above, except black with strong hydrocarbon odor.	CL			30						
			8		CL									
2	50%			5.0 - 7.0 (FILL) Same as above, except slight hydrocarbon odor.				59						PID head space.
3	100%		10	7.0 - 13.0 Reddish-brown silty clay, trace gravel, damp and no odor.										
			12											
				13.0 - 13.0 Drive refusal at 13 feet bgs.										No sample taken.
			14											

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Signature	Firm
	Altech Services, L.L.C.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-12

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.1" Long 88° 23' 45.7"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	50%			0.0 - 0.25 Asphalt surface.				NA						Visual and olfactory screening.
				0.25 - 1.0 Concrete foundation.				NA						No sample taken.
				1.0 - 1.0 Drive refusal at 1 feet bgs.										

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Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/2/1 (m m/d d/y y y y)	10/2/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.9"
Long 88° 23' 41.2"
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticiy Index	P 200	RQD/ Comments
1	90%		1	0.0 - 0.25 Surface gravel.	GW									
				0.25 - 3.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
	90%		4	3.5 - 8.0 (FILL) Same as above, except black, moist and slight hydrocarbon odor.	CL			54						PID head space.
			8	8.0 - 8.0 Drive refusal at 8 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-14

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _	DNR Well ID No. _ _ _	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.3" Long 88° 23' 40.6"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	100%		0.0 - 0.5	Surface gravel.	GW									
			0.5 - 4.0	(FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			4.0 - 7.0	(FILL) Same as above, except black and strong hydrocarbon odor.	CL			60						PID head space.
2	100%		7.0 - 9.0	(FILL) Same as above, except no hydrocarbon odor.	CL									
			9.0 - 9.0	Drive refusal at 9 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-15

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/2/1 (m m/d d/y y y y)	Date Drilling Completed: 10/2/1 (m m/d d/y y y y)	Drilling Method: Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
			Surface Elevation: _____ Feet MSL
			Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.7" Long 88° 23' 42.2"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45
	Civil Town/City/ or Village: Appleton	

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	70%		0	0.0 - 0.25 Surface gravel and organic soil.	GM									
				0.25 - 3.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			3	3.0 - 5.0 (FILL) Same as above, except black and strong hydrocarbon odor.	CL			213						PID head space.
2	65%		5	5.0 - 9.5 (FILL) Same as above.	CL									
			9	9.5 - 9.5 Drive refusal at 9.5 feet bgs.										No sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-16

Boring Drilled By: Name of crew chief (first, last) and Firm. First Name: Robert Last Name: Bonsall. Firm: Altech Services, L.L.C.	Date Drilling Started: 10/3/1	Date Drilling Completed: 10/3/1	Drilling Method: Geoprobe
WI Unique Well No.: PJ271	DNR Well ID No.:	Well Name: MWC-1	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.7" Long 88° 23' 42.2"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	70%		0.0 - 0.25	Surface gravel and organic soil.	GM									
			0.25 - 4.0	(FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			4.0 - 5.0	(FILL) Same as above, except black and strong hydrocarbon odor.	CL									
2	50%		5.0 - 9.0	(FILL) Same as above except with heavy hydrocarbon contamination.	CL									VOC sample taken 8-9 feet bgs.
			9.0 - 9.0	Drive refusal at 9 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

Disclosure: form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-17

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/3/1 (m m/d d/y y y y)	10/3/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.8"
Long 88° 23' 41.0"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Organic soil.	PT									
				0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			5	5.0 - 8.0 (FILL) Same as above, except black and strong hydrocarbon odor.	CL			56						PID head space.
2	90%		8	8.0 - 10.0 (FILL) Same as above except with heavy hydrocarbon contamination.	CL									VOC sample taken 7-8 feet bgs.
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-18	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Robert Last Name: Bonsall; Firm: Altech Services, L.L.C.	Date Drilling Started: 10/3/1	Date Drilling Completed: 10/3/1	Drilling Method: Geoprobe
WI Unique Well No.: PJ272	DNR Well ID No.:	Well Name: MWC-2	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒	State Plane ____ N, ____ E	____ 1/4 of ____ 1/4 of Section 36, T 21 N, R 17 E	Lat 44° 15' 17.5" Long 88° 23' 40.1"
Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W			
Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	90%		0	0.0 - 0.25 Gravel surface.	GW									
				0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
	95%		6	5.0 - 8.0 (FILL) Same as above, except minor black staining.	CL			64						PID head space.
			8	8.0 - 10.0 (FILL) Same as above, except exstensive black staining and strong hydrocarbon odor.	CL									VOC sample taken 9-10 feet bgs.
3	75%		10	10.0 - 15.0 (FILL) Same as above.	CL									
			12											
			14											
4	100%		16	15.0 - 17.0 Light brown, medium sand, 10% gravel, organic odor and moist.	CL									
				17.0 - 17.0 Drive refusal at 17 feet bgs.										Composite sample taken.
			18											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm: Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-19

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/3/1	10/3/1	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PJ273		MWC-3	_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.2"
Long 88° 23' 41.2"

Local Grid Location
_____ Feet ☐ N _____ Feet ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Surface gravel.	GW									
				0.25 - 2.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			3	2.5 - 4.0 (FILL) Same as above, except black staining and strong hydrocarbon odor.	CL			4						
			4	4.0 - 5.0 (FILL) Same as above.	CL			210						VOC sample taken 4-5 feet bgs.
2	80%		5	5.0 - 8.0 (FILL) Same as above except with minor hydrocarbon odor.	CL			7						
			8	8.0 - 9.0 (FILL) Same as above except with greenish wood fragments, and a paint sludge like material at bottom of sample.	CL			102						VOC sample taken 8-9 feet bgs. Composite sample taken.
			9	9.0 - 9.0 Drive refusal at 9 feet bgs.										

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Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-20

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/4/1 (m m/d d/y y y y)	Date Drilling Completed: 10/4/1 (m m/d d/y y y y)	Drilling Method: Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.1" Long 88° 23' 42.3"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	70%		0	0.0 - 0.25 Asphalt surface.										
			1	0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			2						VOC sample taken 4-5 feet bgs.
			2											
			3											
			4											
2	50%		5	5.0 - 9.0 (FILL) Same as above.	CL			2						
			6											
			7											
			8											
			9	9.0 - 9.0 Drive refusal at 9 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-21

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.4"
Long 88° 23' 41.6"

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0 1 2 3 4 5 6 7 8 9	0.0 - 9.5 (FILL) Same as above except greenish staining.	CL			3						
				9.5 - 9.5 Drive refusal at 9.5 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-22

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
____ 1/4 of ____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.4"
Long 88° 23' 40.7"

Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	95%		1	0.0 - 0.25 Surface gravel.	GW			2						
			2	0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL									
			3											
			4											
2	75%		5	5.0 - 7.0 (FILL) Same as above except black with slight hydrocarbon odor.	CL			13						
			6											
			7	7.0 - 10.0 (FILL) Same as above.	CL			6						VOC sample taken 7.5 feet bgs.
			8											
			9											
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-23

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m / d d / y y y y)	10/4/1 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		____ Feet MSL	____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane ____ N, ____ E
____ 1/4 of ____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.4"
Long 88° 23' 39.6"

Local Grid Location
☐ N ☐ E
____ Feet ☐ S ____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0.0 - 1.0	Organic.	PT			2						
			1.0 - 4.0	(FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			2						
2	75%		4.0 - 5.0	(FILL) Same as above except black staining and slight hydrocarbon odor.	CL			23						
			5.0 - 7.0	(FILL) Same as above except strong hydrocarbon odor.	CL			46						VOC sample taken 6-7 feet bgs.
			7.0 - 7.0	Drive refusal at 7 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-24

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.3"
Long 88° 23' 40.1"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	100%		0.0 - 4.0	(FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			7						
2	60%		4.0 - 6.0	(FILL) Same as above.	CL			9						
			6.0 - 7.0	(FILL) Same as above except black staining and slight hydrocarbon odor.	CL			12						
			7.0 - 8.5	(FILL) Same as above except strong hydrocarbon odor.	CL			15						VOC sample taken 8-8.5 feet bgs.
			8.5 - 8.5	Drive refusal at 8.5 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-25

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.3" Long 88° 23' 42.2"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	95%		0	0.0 - 0.25 Asphalt surface.										
			1	0.25 - 2.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			38						
			2		CL									
			3	2.0 - 5.0 (FILL) Same as above.				48						VOC sample taken 3.5 feet bgs.
			4											
2	25%		5	5.0 - 6.0 (FILL) Same as above.	CL			43						
			6	6.0 - 6.0 Drive refusal at 6 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-26

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.8"
Long 88° 23' 42.8"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Organic soil with clay and gravel.	OL CL									
			1	0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.				31						VOC sample taken 0-2 feet bgs.
			2											
			3											
			4											
2	90%		5	5.0 - 7.5 (FILL) Same as above.	CL			39						
			6											
			7	7.5 - 8.5 (FILL) Same as above.	CL			37						
			8	8.5 - 8.5 Drive refusal at 8.5 feet bgs.										Composite sample taken.

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	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-27

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.2"
Long 88° 23' 42.7"
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	70%		1	0.0 - 0.25 Asphalt surface. 0.25 - 5.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			50						
2	50%		5	5.0 - 8.0 (FILL) Same as above.	CL			43						VOC sample taken 7-7.5 feet bgs.
			8	8.0 - 10.0 (FILL) Same as above.	CL			43						
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										Composite sample taken.

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SOIL BORING LOG INFORMATION

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-28

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 17.0"
Long 88° 23' 43.1"

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60%		1	0.0 - 0.25 Asphalt surface. 0.25 - 4.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			22						
2	60%		4	4.0 - 8.0 (FILL) Same as above except minor black staining.	CL			25						
			8	8.0 - 10.0 (FILL) Same as above.	CL			27						VOC sample taken 8-9 feet bgs.
			10	10.0 - 10.0 Drive refusal at 10 feet bgs.										Composite sample taken.

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Signature	Firm
	Altech Services, L.L.C.

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SOIL BORING LOG INFORMATION

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-29

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m / d d / y y y y)	10/4/1 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.7"
Long 88° 23' 43.2"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Organic soil.	PT									
				0.25 - 2.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			40						
			2		CL									
			3	2.0 - 3.0 (FILL) Same as above.				35						VOC sample taken 3 feet bgs. Composite sample taken.
				3.0 - 3.0 Drive refusal at 3 feet bgs.										

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Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-30

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.3" Long 88° 23' 45.4"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		1	0.0 - 0.25 Organic soil. 0.25 - 4.0 Dark brown sandy soil, dry.	PT SW			33						
			2											
			3											
			4	4.0 - 5.0 Reddish-brown soft clay.	CL			17						
2	80%		5	5.0 - 6.0 Silty clay as above.	CL			24						
			6	6.0 - 9.0 Same as above.	CL			28						VOC sample taken 7 feet bgs.
			7											
			8											
			9	9.0 - 9.0 Drive refusal at 9 feet bgs.										Composite sample taken.

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Signature	Firm
	Altech Services, L.L.C.

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Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel C, Lock 3, Fox River, Appleton	NA	GPC-31

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10 / 4 / 1 (m m / d d / y y y y)	10 / 4 / 1 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.0"
Long 88° 23' 44.3"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Asphalt surface. 0.25 - 1.5 Limestone gravel.	GW			39						
			2	1.5 - 2.5 Reddish-brown clay, minor staining with slight hydrocarbon odor.	CL			31						VOC sample taken 2.5 feet bgs. Composite sample taken.
				2.5 - 2.5 Drive refusal at 2.5 feet bgs.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-32

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/4/1 (m m/d d/y y y y)	Date Drilling Completed: 10/4/1 (m m/d d/y y y y)	Drilling Method: Geoprobe
WI Unique Well No. _ _ _ _ _ _ / DNR Well ID No. _ _ _ _ / Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane _____ N, _____ E _____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E	Lat 44° 15' 17.4" Long 88° 23' 44.4"
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Organic soil.	PT									
				0.25 - 3.5 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			32						
			3	3.5 - 5.0 (FILL) Same as above.	CL			20						
2	70%		5	5.0 - 7.5 Silty clay as above.	CL			24						VOC sample taken 7.5 feet bgs.
			7	7.5 - 8.5 Same as above.	CL			20						
			8	8.5 - 8.5 Drive refusal at 8.5 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

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Facility/Project Name: Parcel C, Lock 3, Fox River, Appleton	License/Permit/Monitoring Number: NA	Boring Number: GPC-33

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	Date Drilling Started: 10/4/1	Date Drilling Completed: 10/4/1	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches		

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 17.7"
Long 88° 23' 41.7"
Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County: OUTAGAMIE	County Code: 45	Civil Town/City/ or Village: Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	75%		0.0 - 0.25	Organic soil.	PT									
			0.25 - 4.0	(FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			38						
			4.0 - 5.0	(FILL) Same as above.	CL			42						
2	80%		5.0 - 7.5	(FILL) Same as above except with significant black staining and hydrocarbon odor.	CL			64						
			7.5 - 9.5	Same as above.	CL			79						VOC sample taken 9-9.5 feet bgs.
			9.5 - 9.5	Drive refusal at 9.5 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel X, Lock 4, Fox River, Appleton	NA	GPX-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 34.5"
Long 88° 23' 18.5"
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	80%		0	0.0 - 0.25 Surface gravel.	GW									
			1	0.25 - 2.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			34						
			2		CL									
			3	2.0 - 3.0 (FILL) Same as above.				36						
				3.0 - 5.0 (FILL) Same as above.	CL			8						VOC sample taken 3-3.5 feet bgs.
			4											
2	100%		5	5.0 - 6.0 Same as above.	CL			10						
			6	6.0 - 6.0 Drive refusal at 6 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

[redacted] form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Reference 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Page 1 of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel X, Lock 4, Fox River, Appleton	NA	GPX-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E

Lat 44° 15' 33.4"
Long 88° 23' 19.2"

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	100%		0	0.0 - 0.25 Surface gravel.	GW									
				0.25 - 4.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			12						
			4	4.0 - 5.0 Reddish-brown to tan medium grained clean sand, moist.	SC			10						VOC sample taken 4-5 feet bgs.
			5	5.0 - 5.0 Drive refusal at 5 feet bgs.										Composite sample taken.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Altech Services, L.L.C.

Form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

RefReference 16.1
Sandies Cleanerserence 16.1
Sandies Cleaners

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☒ Site Invest.

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Parcel X, Lock 4, Fox River, Appleton	NA	GPX-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Robert Last Name: Bonsall Firm: Altech Services, L.L.C.	10/4/1 (m m/d d/y y y y)	10/4/1 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section 36, T 21 N, R 17 E
Lat 44° 15' 32.6"
Long 88° 23' 19.7"
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	OUTAGAMIE	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	70%		1	0.0 - 0.5 Surface gravel.	GW									
				0.5 - 2.0 (FILL) Dark brown to reddish-brown silty to sandy clay containing 10-30% gravel. Gravel ranges in size to 1/2" and comprises varying proportions of bedrock (dolostone), coal, clinkers, slag, brick and wood fragments.	CL			3						
			2		CL									
			3	2.0 - 5.0 (FILL) Same as above.				4						VOC sample taken 4-5 feet bgs.
			4											
			5	5.0 - 5.0 Drive refusal at 5 feet bgs.										Composite sample taken.

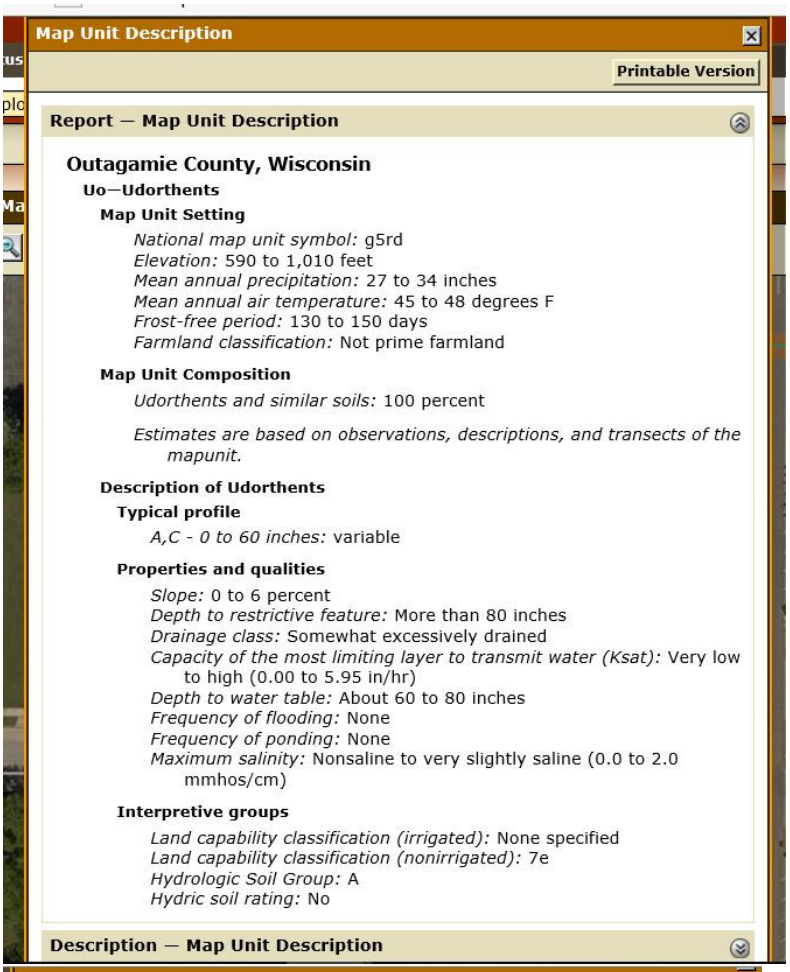
I hereby certify that the information on this form is true and correct to the best of my knowledge.

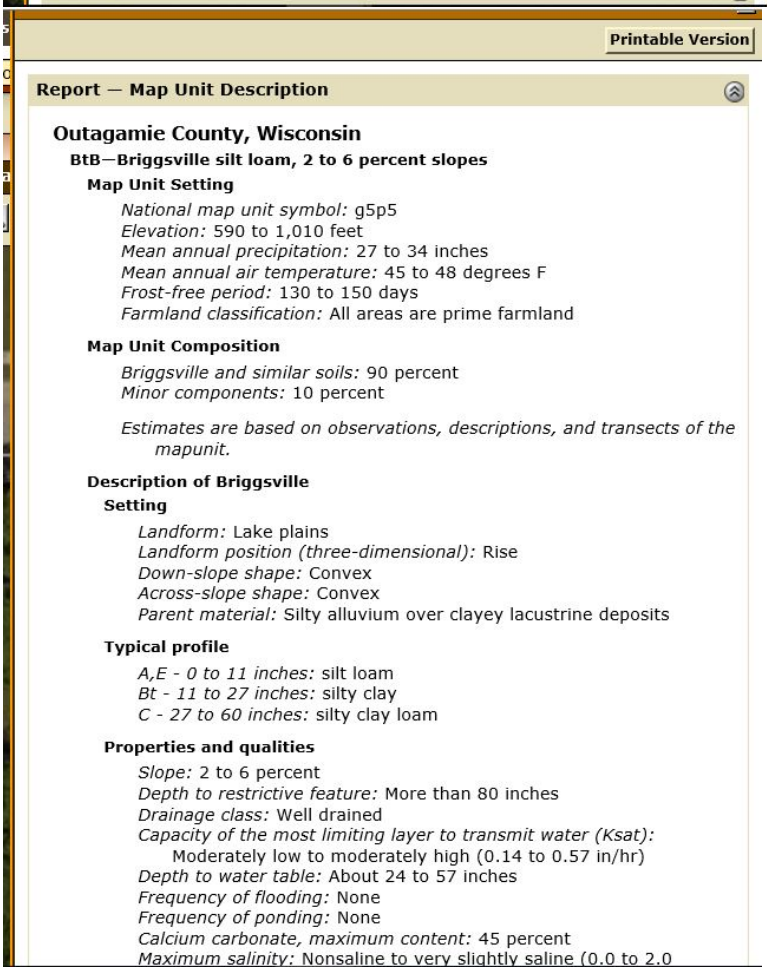
Signature	Firm
	Altech Services, L.L.C.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

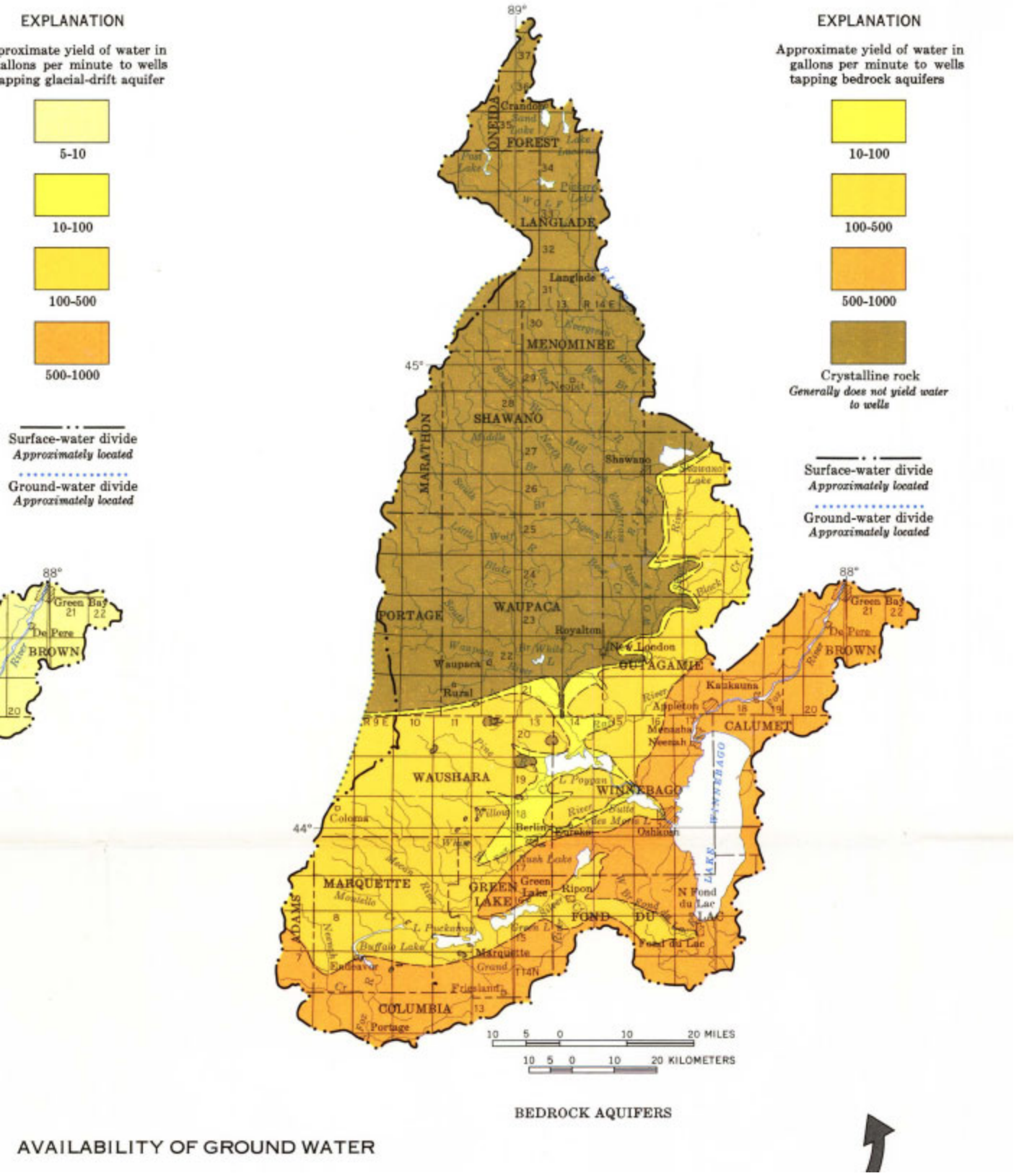
Reference 16.1
Sandies Cleaners

Reference 17.1
Soil Map
Sandies Cleaners





Reference 17.2
Soil Information
Sandies Cleaners



BEDROCK AQUIFERS

AVAILABILITY OF GROUND WATER

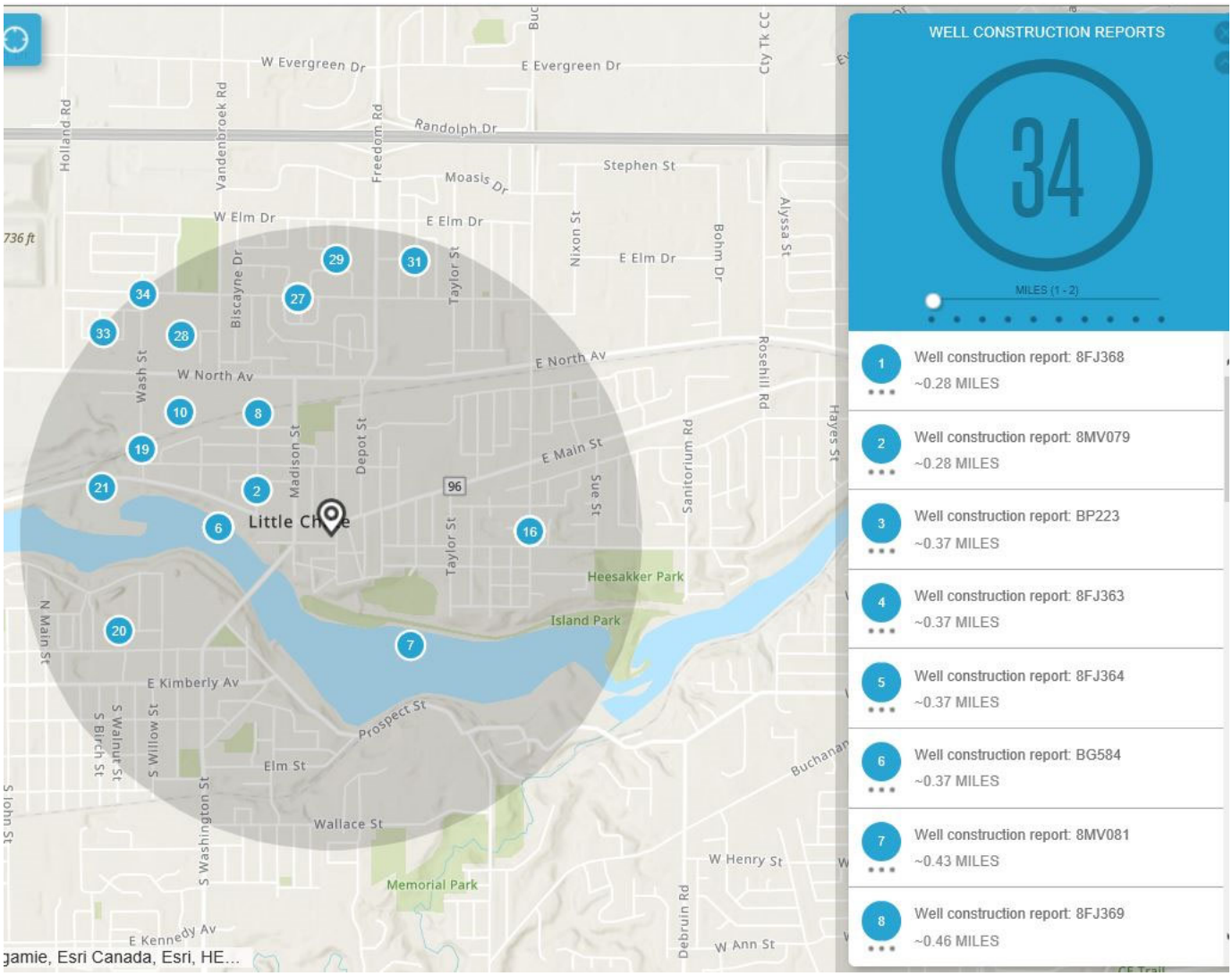
Reference 18.1
Sandies Cleaners

WATER RESOURCES OF WISCONSIN–FOX-WOLF RIVER BA

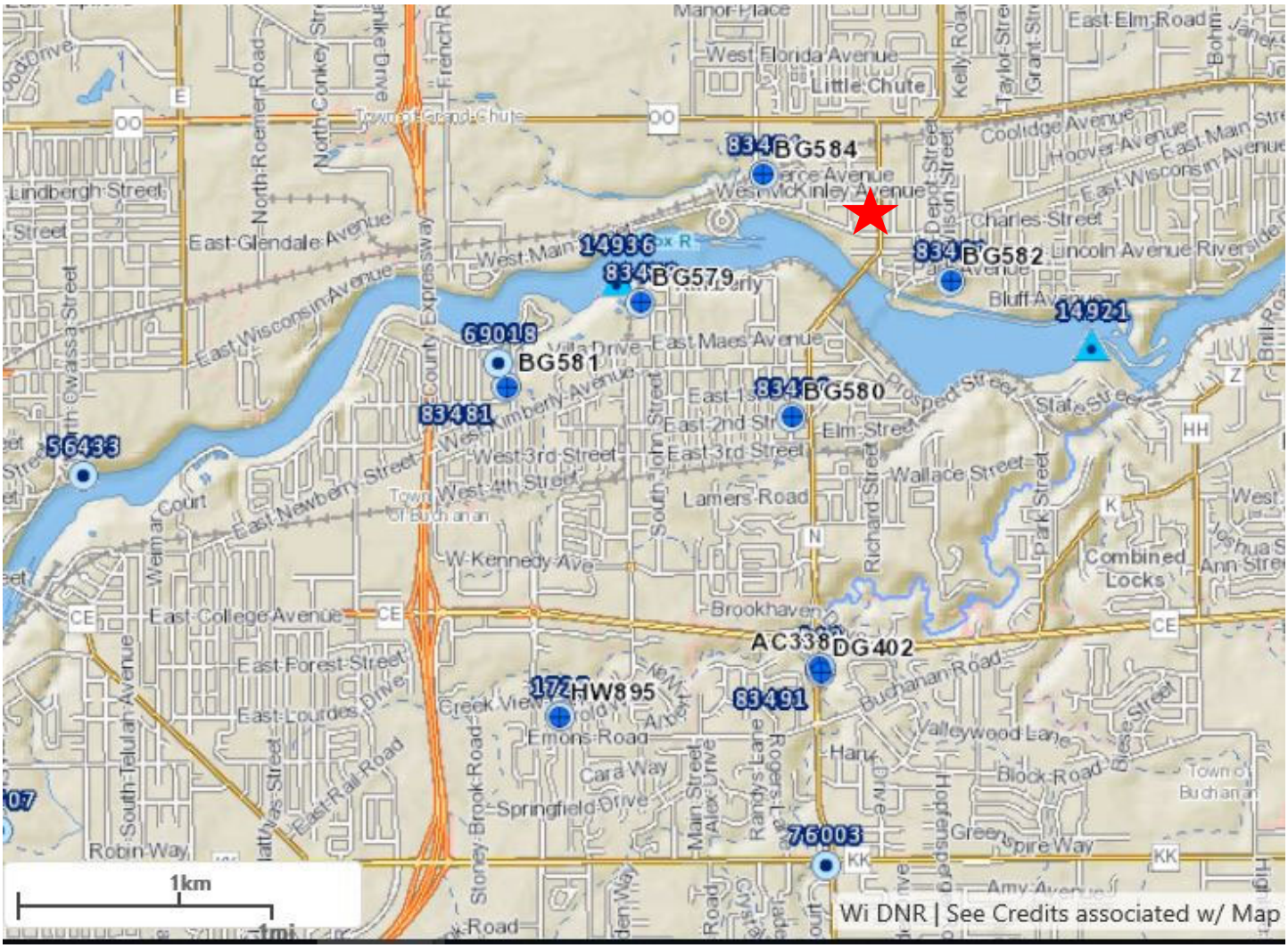
By
Perry G. Olcott

1968

Reference 16.1
Sandies Cleaners



Reference 19.1
Private Well Map
Sandies Cleaners



Reference 20.1
Public Well Information
Sandies Cleaners

Entry Point / Source of Water #1 — LITTLE CHUTE WATERWORKS (44503382)

Source ID	1	**Name**	WELL 1	**Status**	Active
WI Unique Well # (WUWN)	BG582	**Location**	100 VAN BUREN ST	**Availability**	Permanent
Type	Source	**Source**	GROUND WATER SOURCE	**Source Name**	
Raw Water Sampling Desc.		**Treated Water Sampling Desc.**		**Depth (ft.)**	734
Avg Production		**Capacity**			
Latitude	44d 16m 37.3339s	**Longitude**	88d 18m 45.3254s	**Lat/long Datum**	
Lat/long Method		**Lat/Long Accuracy**			
Season Begins		**Season Ends**		**View in GRN**	GRN
Township	21	**Range**	18	**Range Direction**	4
Section	22	**Quarter Section**	3	**Quarter-Quarter**	2

Active Dates

Entry Point / Source of Water #2 — KIMBERLY WATERWORKS (44503426)

Source ID	2	**Name**	WELL 2	**Status**	Active
WI Unique Well # (WUWN)	BG580	**Location**	LINCOLN ST	**Availability**	Permanent
Type	Entry Point and Source	**Source**	GROUND WATER SOURCE	**Source Name**	
Raw Water Sampling Desc.		**Treated Water Sampling Desc.**		**Depth (ft.)**	804
Avg Production		**Capacity**			
Latitude	44d 16m 9.3785s	**Longitude**	88d 19m 32.5848s	**Lat/long Datum**	1991 Adjustment of NAD 83
Lat/long Method	Global Positioning Satellite (GPS) Survey Methods	**Lat/Long Accuracy**			
Season Begins		**Season Ends**		**View in GRN**	GRN
Township	21	**Range**	18	**Range Direction**	4
Section	28	**Quarter Section**	2	**Quarter-Quarter**	1

Entry Point / Source of Water #3 — LITTLE CHUTE WATERWORKS (44503382)

Source ID	3	**Name**	WELL 3	**Status**	Active
WI Unique Well # (WUWN)	BG584	**Location**	920 WASHINGTON ST	**Availability**	Permanent
Type	Source	**Source**	GROUND WATER SOURCE	**Source Name**	
Raw Water Sampling Desc.		**Treated Water Sampling Desc.**		**Depth (ft.)**	805
Avg Production		**Capacity**			
Latitude	44d 17m .4283s	**Longitude**	88d 19m 39.4363s	**Lat/long Datum**	
Lat/long Method		**Lat/Long Accuracy**			
Season Begins		**Season Ends**		**View in GRN**	GRN
Township	21	**Range**	18	**Range Direction**	4
Section	21	**Quarter Section**	2	**Quarter-Quarter**	1

Reference 21.1
Public Wells – Little Chute
Sandies Cleaners

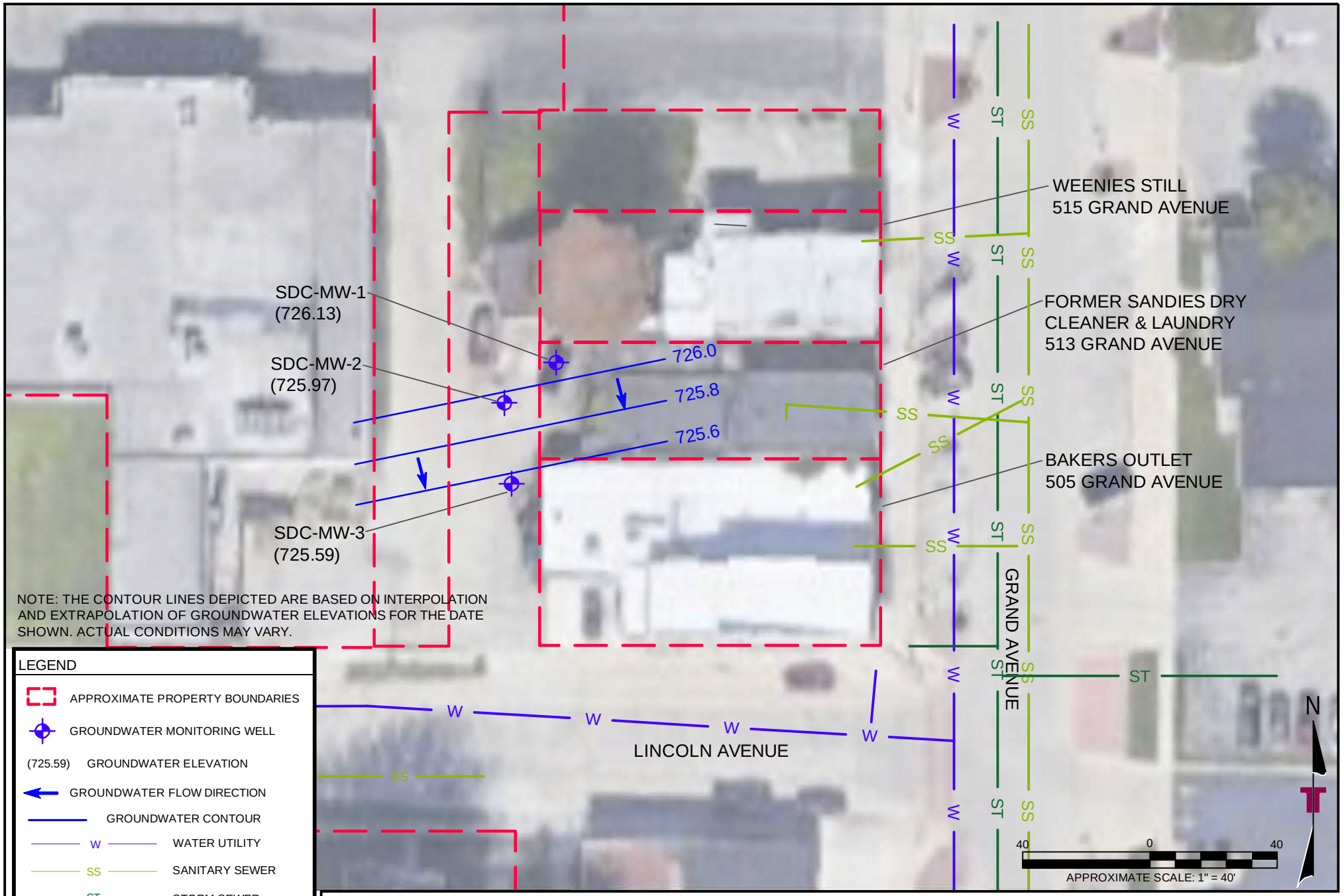
TABLE 2
Historical Groundwater Elevations

Sandies Dry Cleaner & Laundry (Former)
Little Chute, Wisconsin
Terracon Project No. 58187198

Measured Location	Date	Depth to Groundwater*	Reference Elevation**	Groundwater Elevation	Screened Interval	Ground Surface Elevation
MW-1	12/13/2011	5.56	731.50	725.94	711.5 - 726.5	732
MW-1	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-1	12/18/2018	5.37	731.50	726.13	711.5 - 726.5	732
MW-2	12/13/2011	5.64	731.50	725.86	711.5 - 726.5	732
MW-2	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-2	12/18/2018	5.53	731.50	725.97	711.5 - 726.5	732
MW-3	12/13/2011	5.67	731.50	725.83	711.5 - 726.5	732
MW-3	2/1/2012		731.50	731.50	711.5 - 726.5	732
MW-3	12/18/2018	5.91	731.50	725.59	711.5 - 726.5	732

*Depth to ground water is measured from the top of the monitoring well riser pipe.
**Reference elevation from Oneida Total Integrated Enterprises (OTIE)
Measurements are in feet.

Reference 22.1
Sandies Cleaners



NOTE: THE CONTOUR LINES DEPICTED ARE BASED ON INTERPOLATION AND EXTRAPOLATION OF GROUNDWATER ELEVATIONS FOR THE DATE SHOWN. ACTUAL CONDITIONS MAY VARY.

LEGEND

- APPROXIMATE PROPERTY BOUNDARIES
- GROUNDWATER MONITORING WELL
- (725.59) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER CONTOUR
- W — WATER UTILITY
- SS — SANITARY SEWER
- ST — STORM SEWER

SANITARY SEWER LATERAL LOCATIONS ESTIMATED FROM VILLAGE OF LITTLE CHUTE-PROVIDED UTILITY DRAWINGS

IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	KLK
Drawn By:	PJS
Checked By:	KLK
Approved By:	SAH

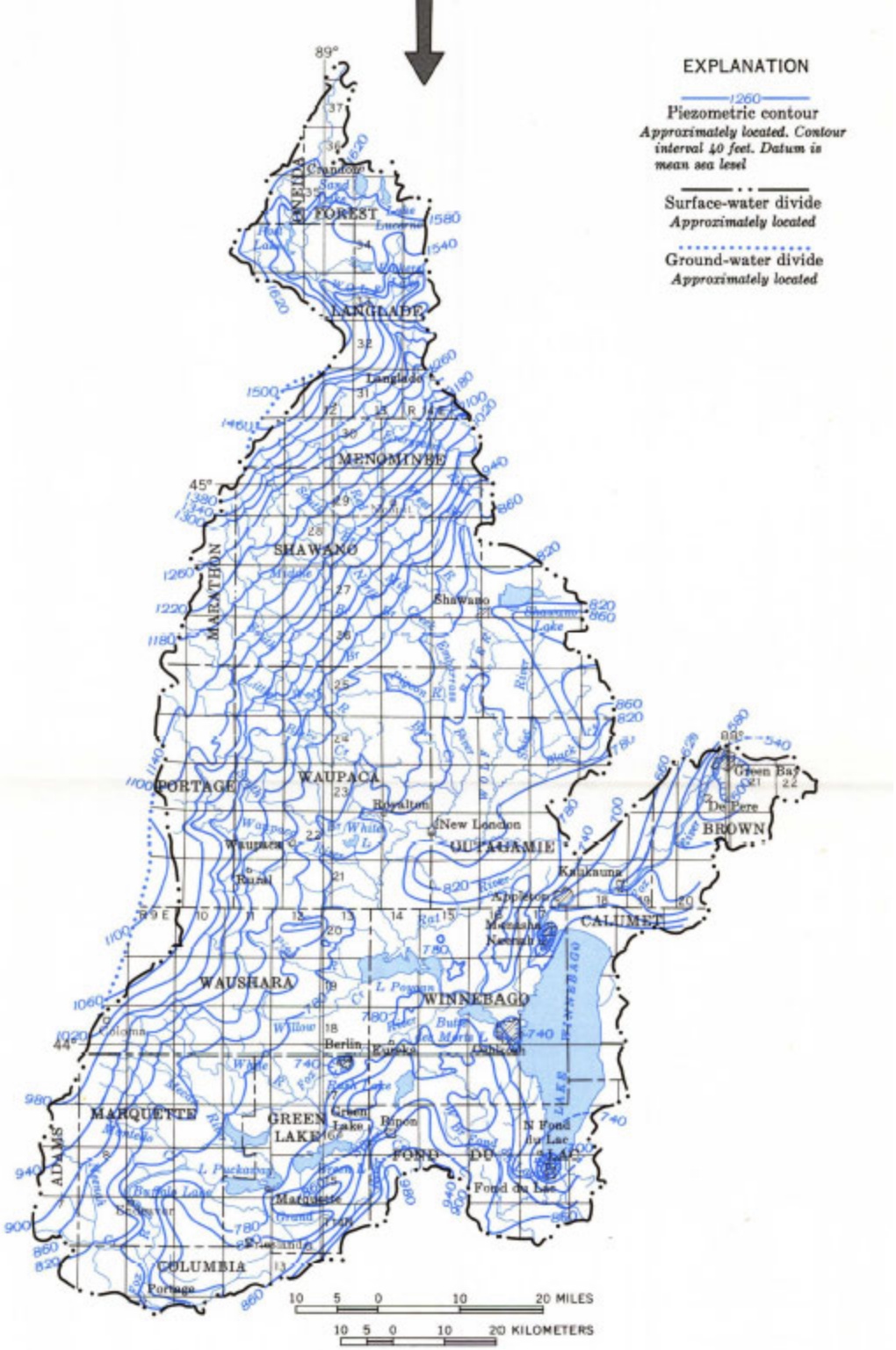
Project No.	58187198
Scale:	AS SHOWN
File No.	58187198C1
Date:	05/2019

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

GROUNDWATER CONTOUR MAP 12/18/2018

SANDIE'S DRY CLEANER & LAUNDRY (FORMER)
513 GRAND AVENUE
LITTLE CHUTE, WISCONSIN

FIGURE
7



GENERALIZED PIEZOMETRIC SURFACE

Reference 23.1
Sandies Cleaners

WATER RESOURCES OF WISCONSIN–FOX-WOLF RIVER BA

By
Perry G. Olcott

1968

Reference 23.1
Sandies Cleaners

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0 - 0.25 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	680	691	701
Households	302	310	316
Families	183	183	185
Average Household Size	2.25	2.23	2.22
Owner Occupied Housing Units	227	229	235
Renter Occupied Housing Units	75	82	81
Median Age	35.7	38.1	39.6

Trends: 2021-2026 Annual Rate	Area	State	National
Population	0.29%	0.41%	0.71%
Households	0.38%	0.48%	0.71%
Families	0.22%	0.39%	0.64%
Owner HHs	0.52%	0.69%	0.91%
Median Household Income	2.63%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	19	6.1%	16	5.1%
$15,000 - $24,999	42	13.5%	36	11.4%
$25,000 - $34,999	46	14.8%	37	11.7%
$35,000 - $49,999	44	14.2%	34	10.8%
$50,000 - $74,999	73	23.5%	82	25.9%
$75,000 - $99,999	57	18.4%	72	22.8%
$100,000 - $149,999	25	8.1%	34	10.8%
$150,000 - $199,999	3	1.0%	4	1.3%
$200,000+	1	0.3%	1	0.3%
Median Household Income	$50,848		$57,899	
Average Household Income	$56,326		$64,595	
Per Capita Income	$24,449		$28,186	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	50	7.4%	44	6.4%	44	6.3%
5 - 9	43	6.3%	46	6.7%	46	6.6%
10 - 14	46	6.8%	41	6.0%	49	7.0%
15 - 19	40	5.9%	36	5.2%	40	5.7%
20 - 24	42	6.2%	36	5.2%	31	4.4%
25 - 34	113	16.6%	110	16.0%	80	11.4%
35 - 44	82	12.1%	92	13.4%	115	16.4%
45 - 54	96	14.1%	82	11.9%	78	11.1%
55 - 64	78	11.5%	86	12.5%	85	12.1%
65 - 74	47	6.9%	69	10.0%	77	11.0%
75 - 84	25	3.7%	30	4.4%	44	6.3%
85+	17	2.5%	17	2.5%	13	1.9%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	651	95.7%	647	93.5%	647	92.3%
Black Alone	7	1.0%	12	1.7%	15	2.1%
American Indian Alone	5	0.7%	7	1.0%	8	1.1%
Asian Alone	3	0.4%	4	0.6%	4	0.6%
Pacific Islander Alone	0	0.0%	1	0.1%	1	0.1%
Some Other Race Alone	4	0.6%	6	0.9%	7	1.0%
Two or More Races	10	1.5%	15	2.2%	19	2.7%
Hispanic Origin (Any Race)	18	2.6%	26	3.8%	31	4.4%

Data Note: Income is expressed in current dollars.

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

July 19, 2021

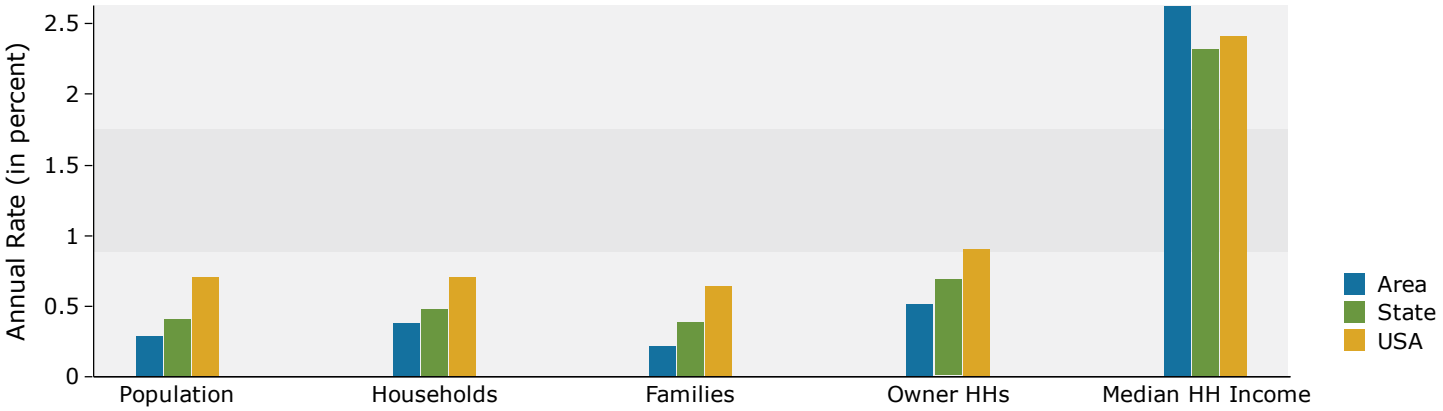
Reference 24.1
Sandies Cleaners

Demographic and Income Profile

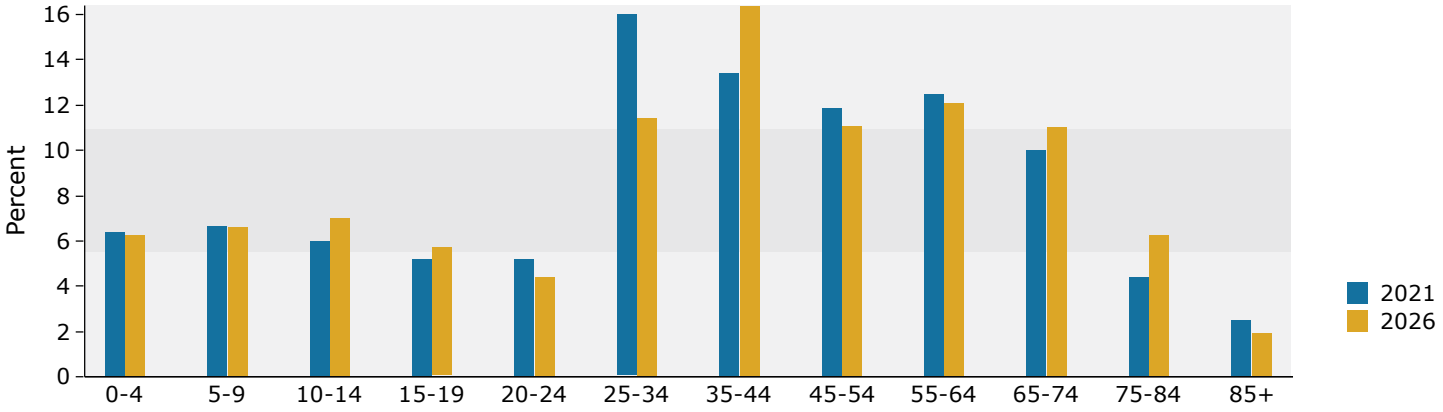
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0 - 0.25 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

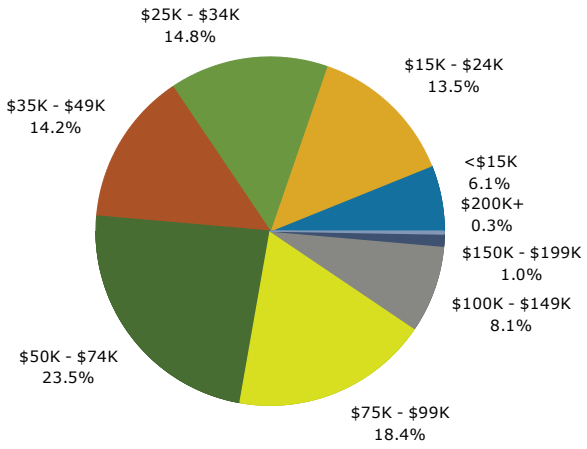
Trends 2021-2026



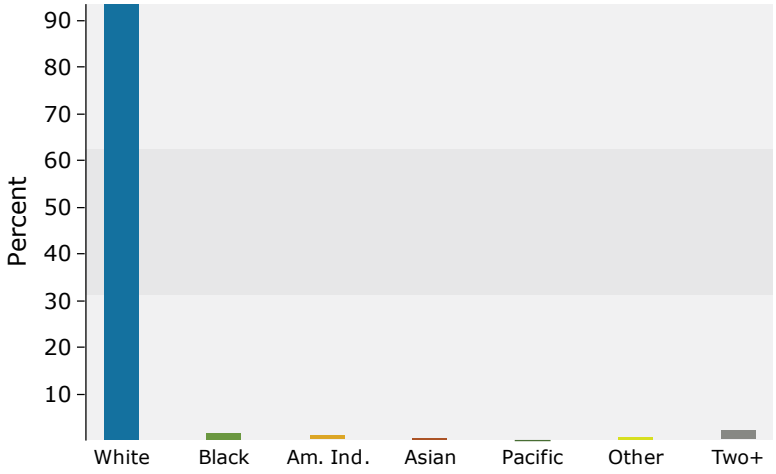
Population by Age



2021 Household Income



2021 Population by Race



2021 Percent Hispanic Origin:3.8%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0.25 - 0.5 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	1,194	1,208	1,223
Households	498	509	516
Families	313	311	314
Average Household Size	2.39	2.37	2.36
Owner Occupied Housing Units	368	367	377
Renter Occupied Housing Units	130	142	140
Median Age	35.1	37.8	39.1

Trends: 2021-2026 Annual Rate	Area	State	National
Population	0.25%	0.41%	0.71%
Households	0.27%	0.48%	0.71%
Families	0.19%	0.39%	0.64%
Owner HHs	0.54%	0.69%	0.91%
Median Household Income	2.51%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	24	4.7%	20	3.9%
$15,000 - $24,999	70	13.8%	64	12.4%
$25,000 - $34,999	62	12.2%	55	10.7%
$35,000 - $49,999	84	16.5%	64	12.4%
$50,000 - $74,999	109	21.4%	117	22.7%
$75,000 - $99,999	97	19.1%	116	22.5%
$100,000 - $149,999	49	9.6%	63	12.2%
$150,000 - $199,999	11	2.2%	14	2.7%
$200,000+	3	0.6%	3	0.6%
Median Household Income	$52,210		$59,111	
Average Household Income	$60,560		$68,176	
Per Capita Income	$25,551		$28,851	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	88	7.4%	77	6.4%	77	6.3%
5 - 9	77	6.4%	80	6.6%	79	6.5%
10 - 14	86	7.2%	75	6.2%	83	6.8%
15 - 19	73	6.1%	66	5.5%	71	5.8%
20 - 24	75	6.3%	70	5.8%	60	4.9%
25 - 34	196	16.4%	184	15.2%	157	12.8%
35 - 44	149	12.5%	169	14.0%	190	15.5%
45 - 54	174	14.6%	144	11.9%	140	11.4%
55 - 64	131	11.0%	154	12.8%	150	12.3%
65 - 74	75	6.3%	111	9.2%	126	10.3%
75 - 84	45	3.8%	51	4.2%	68	5.6%
85+	25	2.1%	26	2.2%	22	1.8%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	1,140	95.5%	1,127	93.4%	1,126	91.9%
Black Alone	11	0.9%	19	1.6%	25	2.0%
American Indian Alone	9	0.8%	12	1.0%	14	1.1%
Asian Alone	5	0.4%	7	0.6%	8	0.7%
Pacific Islander Alone	1	0.1%	2	0.2%	3	0.2%
Some Other Race Alone	11	0.9%	15	1.2%	19	1.6%
Two or More Races	17	1.4%	25	2.1%	30	2.4%
Hispanic Origin (Any Race)	35	2.9%	49	4.1%	59	4.8%

Data Note: Income is expressed in current dollars.

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

July 19, 2021

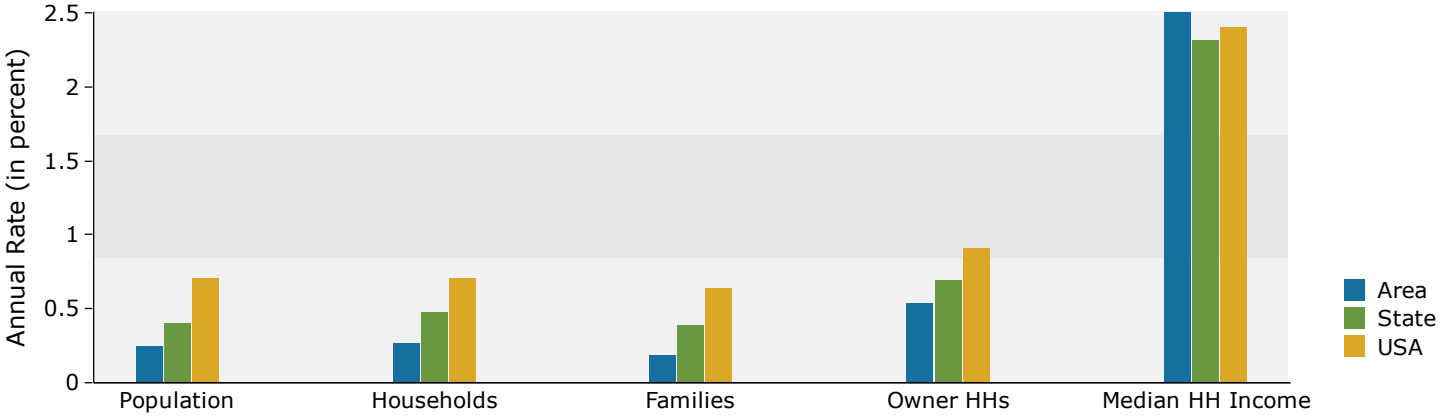
Reference 24.1
Sandies Cleaners

Demographic and Income Profile

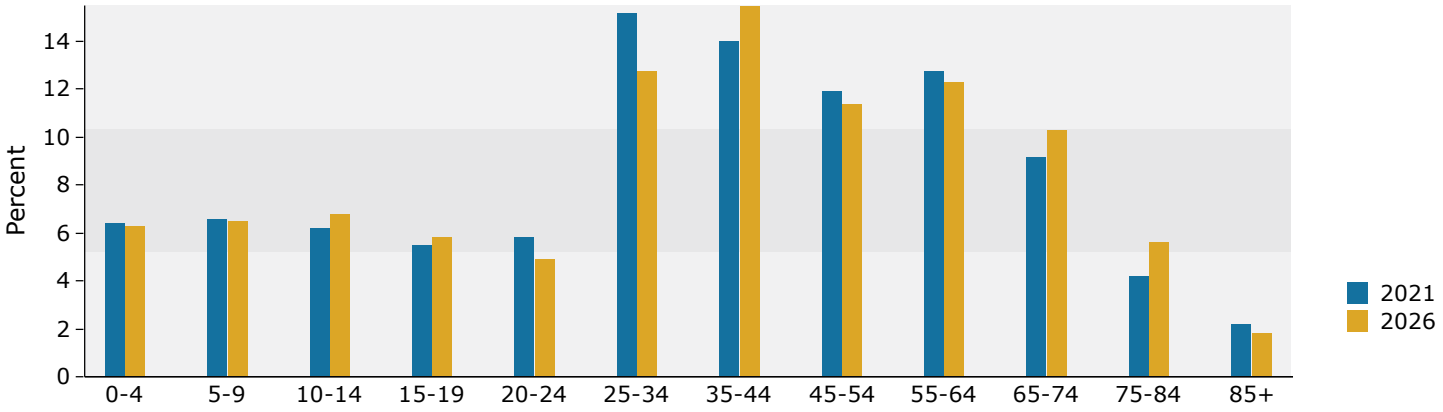
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0.25 - 0.5 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

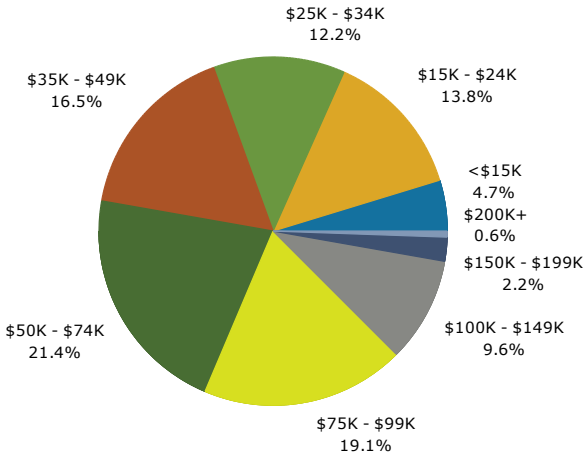
Trends 2021-2026



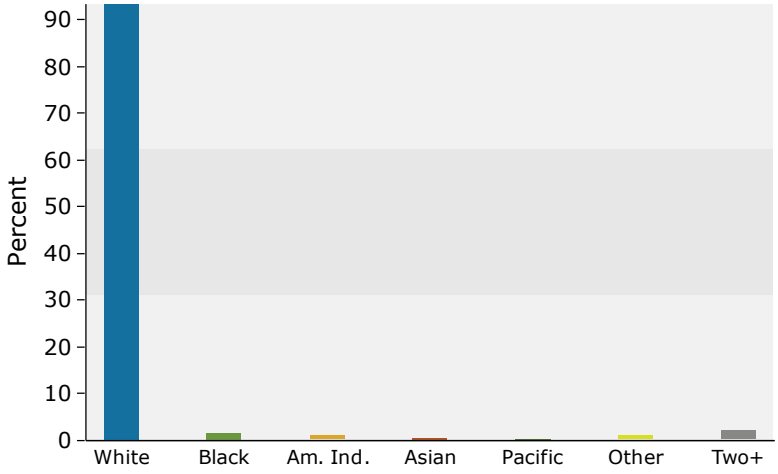
Population by Age



2021 Household Income



2021 Population by Race



2021 Percent Hispanic Origin:4.1%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0.5 - 1 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	6,573	6,705	6,908
Households	2,637	2,730	2,824
Families	1,802	1,820	1,869
Average Household Size	2.47	2.43	2.42
Owner Occupied Housing Units	1,864	1,880	1,930
Renter Occupied Housing Units	773	850	894
Median Age	36.5	38.7	39.2

Trends: 2021-2026 Annual Rate	Area	State	National
Population	0.60%	0.41%	0.71%
Households	0.68%	0.48%	0.71%
Families	0.53%	0.39%	0.64%
Owner HHs	0.53%	0.69%	0.91%
Median Household Income	1.75%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	145	5.3%	126	4.5%
$15,000 - $24,999	227	8.3%	197	7.0%
$25,000 - $34,999	237	8.7%	233	8.3%
$35,000 - $49,999	422	15.5%	401	14.2%
$50,000 - $74,999	643	23.6%	634	22.5%
$75,000 - $99,999	506	18.5%	550	19.5%
$100,000 - $149,999	374	13.7%	460	16.3%
$150,000 - $199,999	126	4.6%	167	5.9%
$200,000+	49	1.8%	56	2.0%
Median Household Income	$60,239		$65,694	
Average Household Income	$71,802		$79,645	
Per Capita Income	$28,754		$32,005	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	436	6.6%	405	6.0%	413	6.0%
5 - 9	444	6.8%	409	6.1%	429	6.2%
10 - 14	483	7.3%	415	6.2%	432	6.3%
15 - 19	485	7.4%	394	5.9%	395	5.7%
20 - 24	386	5.9%	396	5.9%	375	5.4%
25 - 34	930	14.1%	971	14.5%	1,026	14.9%
35 - 44	887	13.5%	928	13.8%	941	13.6%
45 - 54	1,027	15.6%	840	12.5%	789	11.4%
55 - 64	692	10.5%	930	13.9%	911	13.2%
65 - 74	404	6.1%	585	8.7%	702	10.2%
75 - 84	290	4.4%	297	4.4%	352	5.1%
85+	110	1.7%	135	2.0%	141	2.0%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	6,232	94.8%	6,202	92.5%	6,292	91.1%
Black Alone	44	0.7%	79	1.2%	102	1.5%
American Indian Alone	46	0.7%	58	0.9%	66	1.0%
Asian Alone	82	1.2%	112	1.7%	131	1.9%
Pacific Islander Alone	2	0.0%	5	0.1%	6	0.1%
Some Other Race Alone	83	1.3%	123	1.8%	153	2.2%
Two or More Races	84	1.3%	127	1.9%	157	2.3%
Hispanic Origin (Any Race)	186	2.8%	270	4.0%	337	4.9%

Data Note: Income is expressed in current dollars.

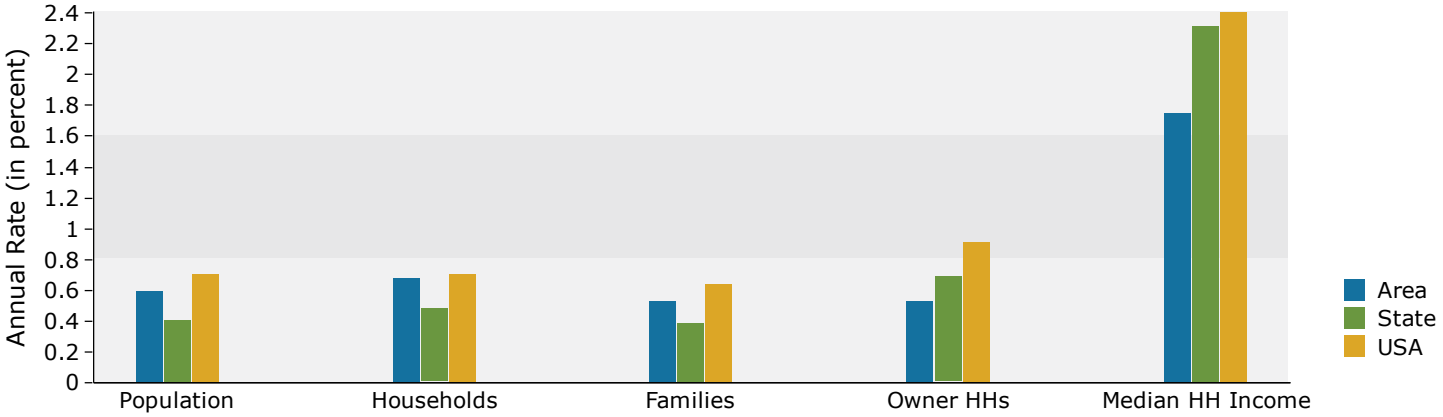
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

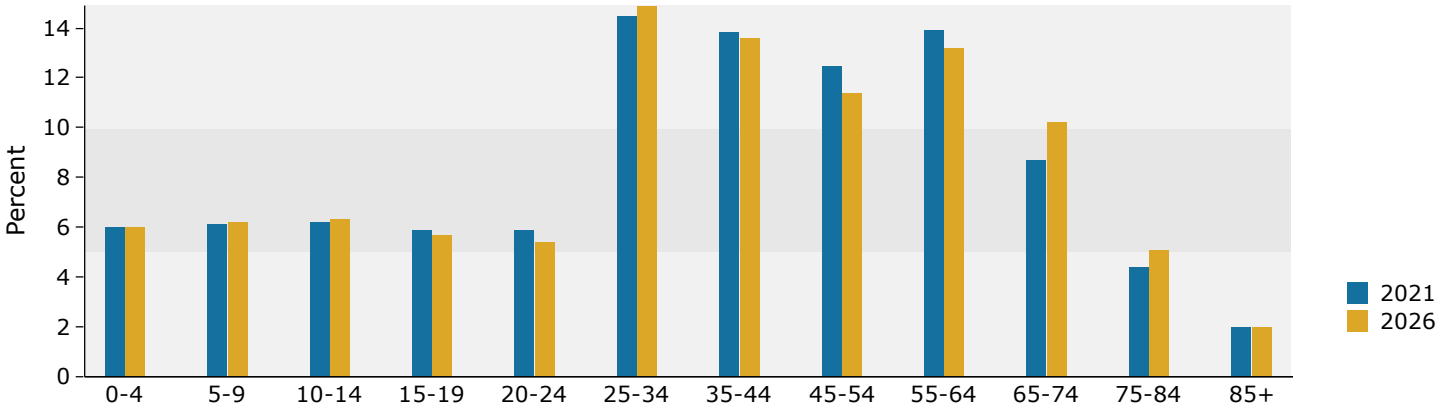
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 0.5 - 1 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

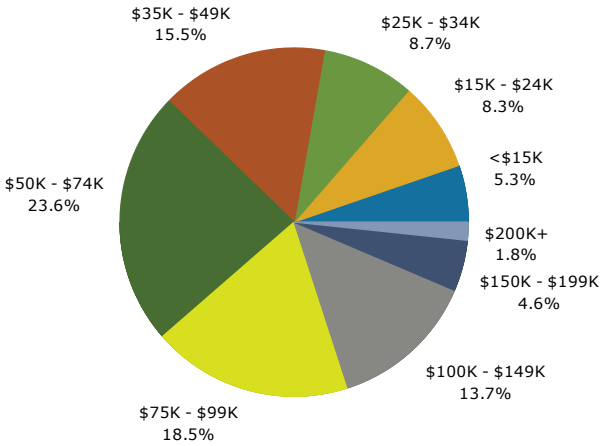
Trends 2021-2026



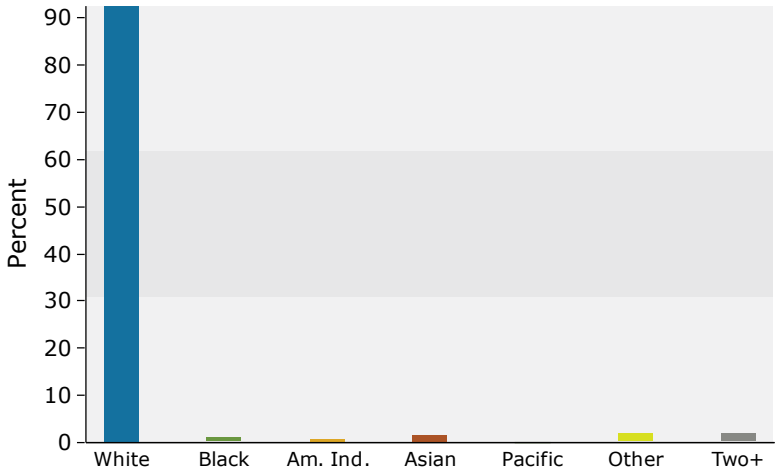
Population by Age



2021 Household Income



2021 Population by Race



2021 Percent Hispanic Origin:4.0%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 1 - 2 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	17,828	18,708	19,405
Households	7,064	7,506	7,810
Families	4,829	5,002	5,171
Average Household Size	2.52	2.49	2.48
Owner Occupied Housing Units	5,113	5,302	5,534
Renter Occupied Housing Units	1,951	2,204	2,276
Median Age	38.1	39.9	40.7

Trends: 2021-2026 Annual Rate	Area	State	National
Population	0.73%	0.41%	0.71%
Households	0.80%	0.48%	0.71%
Families	0.67%	0.39%	0.64%
Owner HHs	0.86%	0.69%	0.91%
Median Household Income	2.14%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	510	6.8%	452	5.8%
$15,000 - $24,999	636	8.5%	546	7.0%
$25,000 - $34,999	693	9.2%	628	8.0%
$35,000 - $49,999	924	12.3%	888	11.4%
$50,000 - $74,999	1,688	22.5%	1,690	21.6%
$75,000 - $99,999	1,137	15.1%	1,252	16.0%
$100,000 - $149,999	1,259	16.8%	1,510	19.3%
$150,000 - $199,999	429	5.7%	572	7.3%
$200,000+	229	3.1%	272	3.5%
Median Household Income	$62,034		$68,955	
Average Household Income	$76,705		$86,025	
Per Capita Income	$31,279		$35,184	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	1,139	6.4%	1,078	5.8%	1,111	5.7%
5 - 9	1,250	7.0%	1,109	5.9%	1,166	6.0%
10 - 14	1,271	7.1%	1,183	6.3%	1,194	6.2%
15 - 19	1,219	6.8%	1,169	6.2%	1,140	5.9%
20 - 24	960	5.4%	1,053	5.6%	1,060	5.5%
25 - 34	2,400	13.5%	2,443	13.1%	2,605	13.4%
35 - 44	2,375	13.3%	2,560	13.7%	2,597	13.4%
45 - 54	2,770	15.5%	2,388	12.8%	2,333	12.0%
55 - 64	1,959	11.0%	2,578	13.8%	2,602	13.4%
65 - 74	1,276	7.2%	1,761	9.4%	2,059	10.6%
75 - 84	885	5.0%	965	5.2%	1,106	5.7%
85+	323	1.8%	421	2.3%	432	2.2%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	16,883	94.7%	17,291	92.4%	17,665	91.0%
Black Alone	121	0.7%	222	1.2%	292	1.5%
American Indian Alone	120	0.7%	152	0.8%	172	0.9%
Asian Alone	294	1.6%	412	2.2%	488	2.5%
Pacific Islander Alone	3	0.0%	6	0.0%	9	0.0%
Some Other Race Alone	158	0.9%	240	1.3%	303	1.6%
Two or More Races	249	1.4%	385	2.1%	477	2.5%
Hispanic Origin (Any Race)	447	2.5%	667	3.6%	829	4.3%

Data Note: Income is expressed in current dollars.

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

July 19, 2021

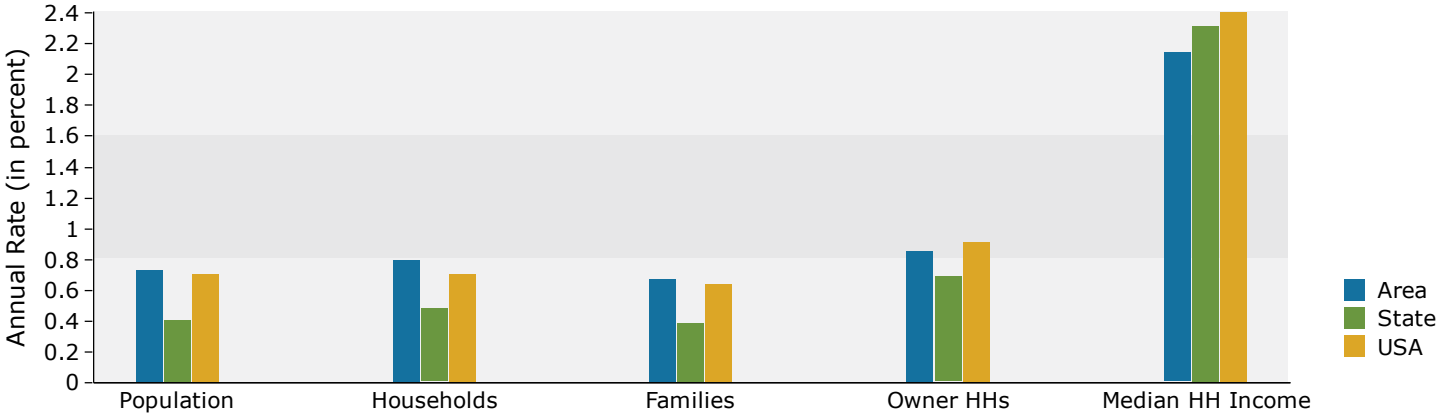
Reference 24.1
Sandies Cleaners

Demographic and Income Profile

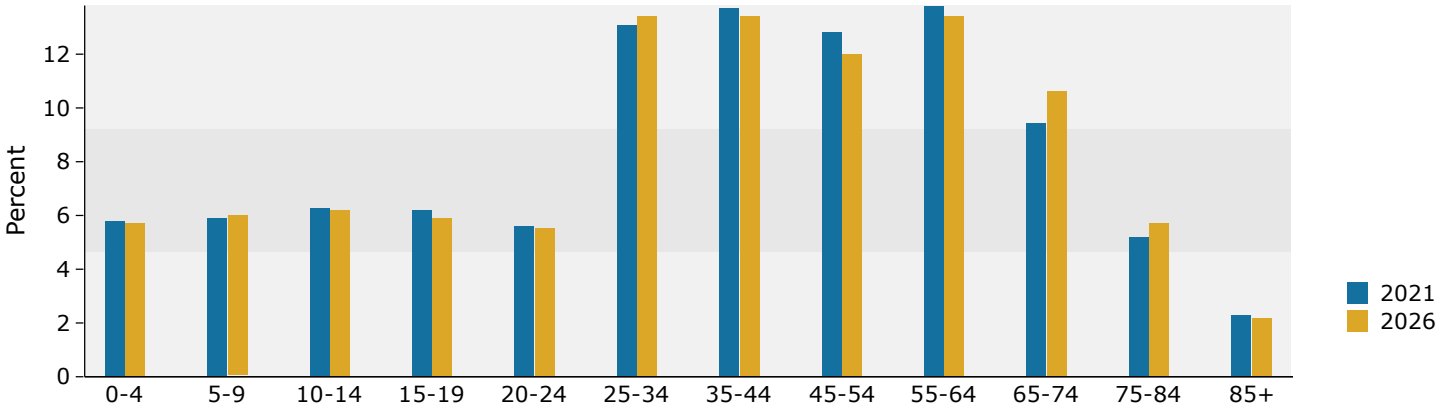
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 1 - 2 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

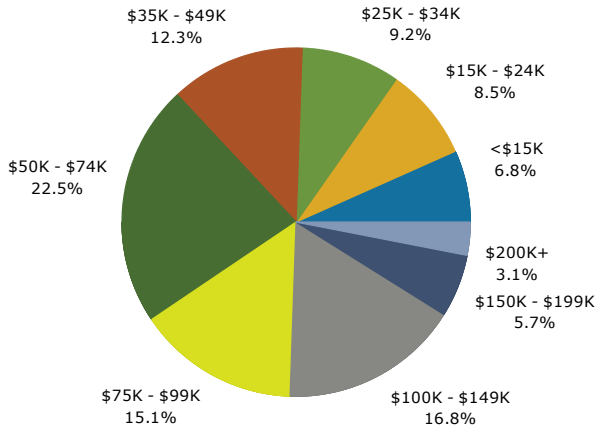
Trends 2021-2026



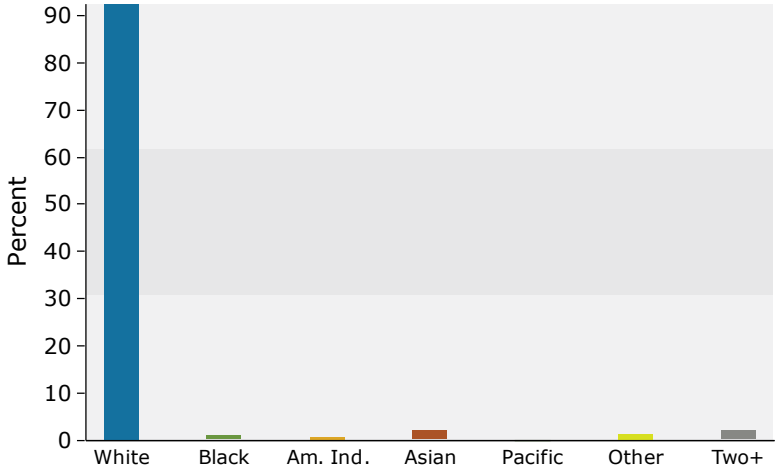
Population by Age



2021 Household Income



2021 Population by Race



2021 Percent Hispanic Origin:3.6%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 2 - 3 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	21,322	23,859	25,124
Households	8,345	9,414	9,927
Families	5,926	6,588	6,923
Average Household Size	2.54	2.52	2.52
Owner Occupied Housing Units	6,097	6,680	7,106
Renter Occupied Housing Units	2,248	2,734	2,821
Median Age	35.3	37.2	37.5

Trends: 2021-2026 Annual Rate	Area	State	National
Population	1.04%	0.41%	0.71%
Households	1.07%	0.48%	0.71%
Families	1.00%	0.39%	0.64%
Owner HHs	1.24%	0.69%	0.91%
Median Household Income	2.24%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	444	4.7%	395	4.0%
$15,000 - $24,999	699	7.4%	606	6.1%
$25,000 - $34,999	737	7.8%	656	6.6%
$35,000 - $49,999	1,114	11.8%	1,070	10.8%
$50,000 - $74,999	1,967	20.9%	1,986	20.0%
$75,000 - $99,999	1,234	13.1%	1,305	13.1%
$100,000 - $149,999	2,024	21.5%	2,374	23.9%
$150,000 - $199,999	778	8.3%	1,029	10.4%
$200,000+	418	4.4%	506	5.1%
Median Household Income	$70,536		$78,780	
Average Household Income	$87,013		$97,389	
Per Capita Income	$33,328		$37,370	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	1,678	7.9%	1,659	7.0%	1,728	6.9%
5 - 9	1,740	8.2%	1,732	7.3%	1,794	7.1%
10 - 14	1,619	7.6%	1,777	7.4%	1,802	7.2%
15 - 19	1,377	6.5%	1,565	6.6%	1,642	6.5%
20 - 24	1,077	5.1%	1,303	5.5%	1,304	5.2%
25 - 34	3,074	14.4%	3,114	13.1%	3,462	13.8%
35 - 44	3,178	14.9%	3,450	14.5%	3,437	13.7%
45 - 54	3,234	15.2%	3,144	13.2%	3,170	12.6%
55 - 64	2,165	10.2%	2,992	12.5%	3,028	12.1%
65 - 74	1,070	5.0%	1,901	8.0%	2,256	9.0%
75 - 84	740	3.5%	835	3.5%	1,103	4.4%
85+	372	1.7%	389	1.6%	398	1.6%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	19,922	93.4%	21,684	90.9%	22,436	89.3%
Black Alone	172	0.8%	323	1.4%	431	1.7%
American Indian Alone	128	0.6%	165	0.7%	189	0.8%
Asian Alone	541	2.5%	788	3.3%	939	3.7%
Pacific Islander Alone	8	0.0%	18	0.1%	23	0.1%
Some Other Race Alone	231	1.1%	362	1.5%	458	1.8%
Two or More Races	320	1.5%	518	2.2%	648	2.6%
Hispanic Origin (Any Race)	614	2.9%	945	4.0%	1,175	4.7%

Data Note: Income is expressed in current dollars.

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Reference 24.1
Sandies Cleaners

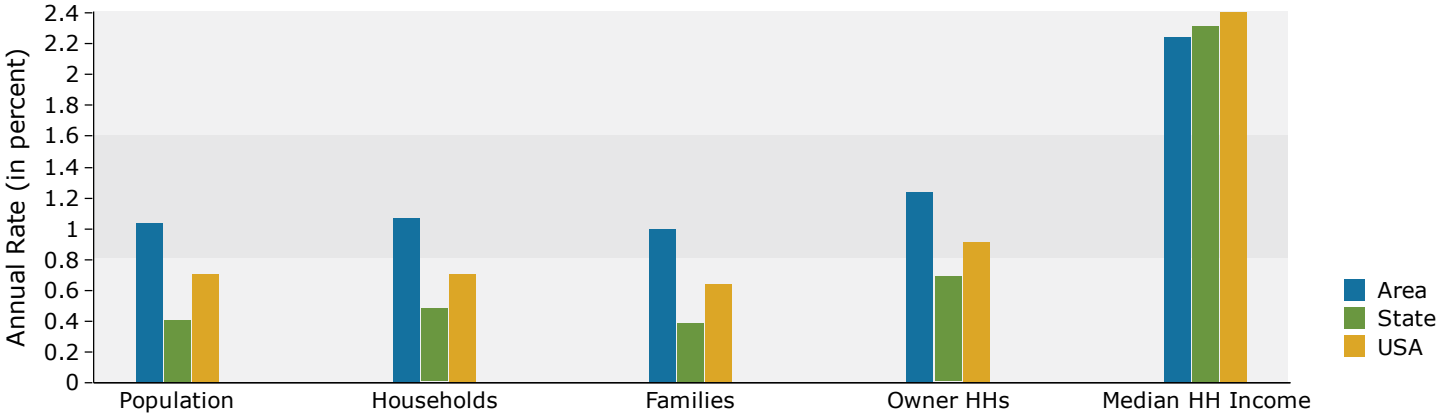
July 19, 2021

Demographic and Income Profile

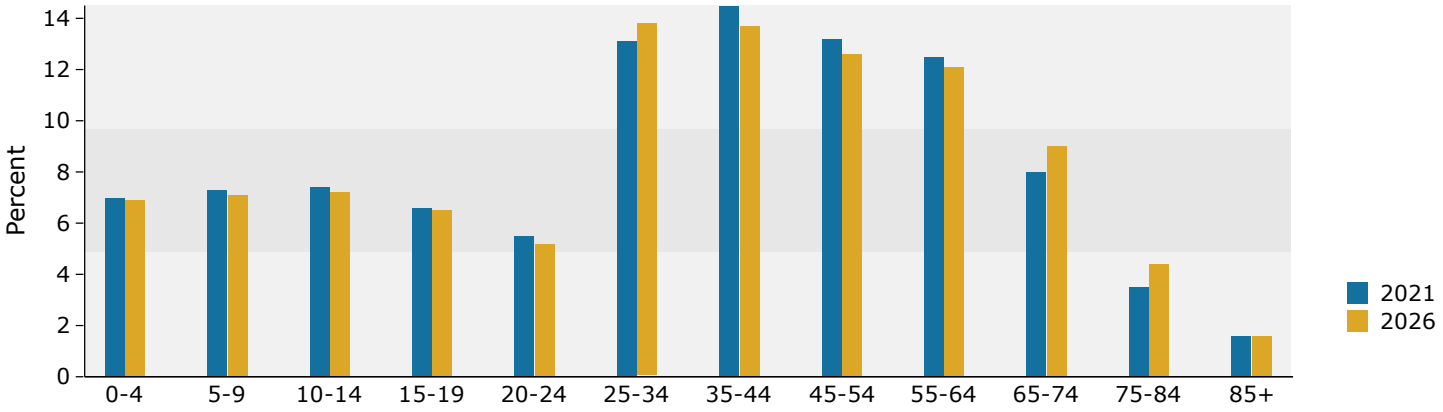
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 2 - 3 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

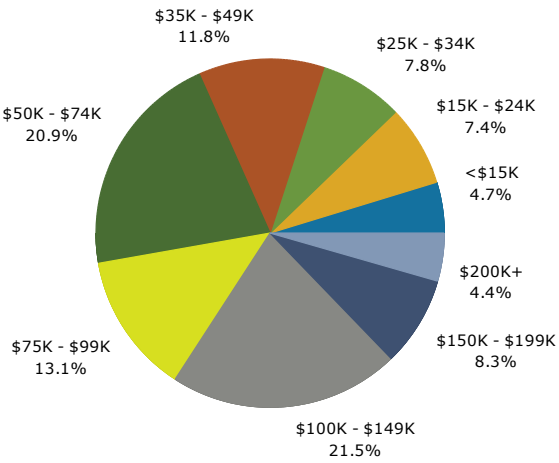
Trends 2021-2026



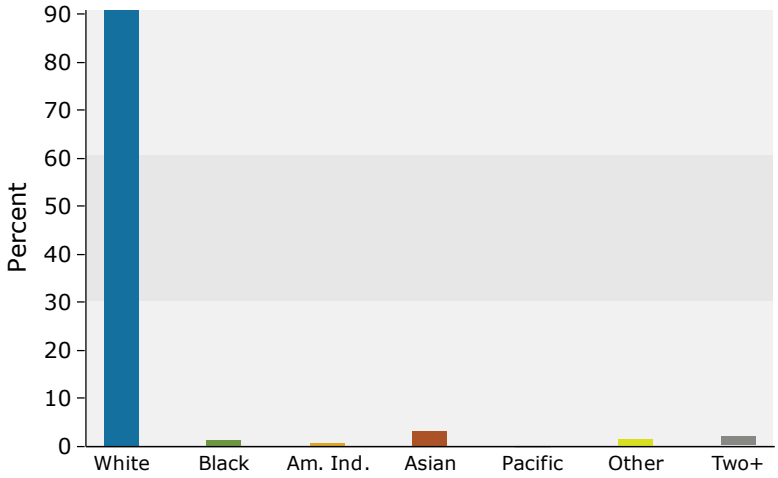
Population by Age



2021 Household Income



2021 Population by Race



2021 Percent Hispanic Origin:4.0%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

Demographic and Income Profile

SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 3 - 4 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

Summary	Census 2010	2021	2026
Population	26,860	28,890	29,951
Households	10,397	11,317	11,774
Families	7,257	7,753	8,034
Average Household Size	2.56	2.53	2.52
Owner Occupied Housing Units	7,810	8,295	8,741
Renter Occupied Housing Units	2,587	3,022	3,033
Median Age	36.8	38.6	38.9

Trends: 2021-2026 Annual Rate	Area	State	National
Population	0.72%	0.41%	0.71%
Households	0.79%	0.48%	0.71%
Families	0.71%	0.39%	0.64%
Owner HHs	1.05%	0.69%	0.91%
Median Household Income	2.00%	2.32%	2.41%

	2021		2026	
Households by Income	Number	Percent	Number	Percent
<$15,000	575	5.1%	511	4.3%
$15,000 - $24,999	881	7.8%	782	6.6%
$25,000 - $34,999	865	7.6%	769	6.5%
$35,000 - $49,999	1,388	12.3%	1,315	11.2%
$50,000 - $74,999	2,330	20.6%	2,335	19.8%
$75,000 - $99,999	1,817	16.1%	1,949	16.6%
$100,000 - $149,999	2,130	18.8%	2,485	21.1%
$150,000 - $199,999	792	7.0%	999	8.5%
$200,000+	538	4.8%	628	5.3%
Median Household Income	$69,422		$76,642	
Average Household Income	$85,590		$94,983	
Per Capita Income	$33,715		$37,520	

	Census 2010		2021		2026	
Population by Age	Number	Percent	Number	Percent	Number	Percent
0 - 4	1,888	7.0%	1,825	6.3%	1,896	6.3%
5 - 9	2,021	7.5%	1,968	6.8%	2,015	6.7%
10 - 14	2,017	7.5%	2,025	7.0%	2,042	6.8%
15 - 19	1,810	6.7%	1,776	6.1%	1,846	6.2%
20 - 24	1,401	5.2%	1,572	5.4%	1,546	5.2%
25 - 34	3,632	13.5%	3,781	13.1%	4,028	13.4%
35 - 44	3,830	14.3%	4,218	14.6%	4,223	14.1%
45 - 54	4,265	15.9%	3,601	12.5%	3,709	12.4%
55 - 64	2,967	11.0%	3,729	12.9%	3,498	11.7%
65 - 74	1,637	6.1%	2,670	9.2%	3,052	10.2%
75 - 84	1,044	3.9%	1,251	4.3%	1,616	5.4%
85+	350	1.3%	473	1.6%	479	1.6%

	Census 2010		2021		2026	
Race and Ethnicity	Number	Percent	Number	Percent	Number	Percent
White Alone	24,484	91.2%	25,451	88.1%	25,865	86.4%
Black Alone	277	1.0%	488	1.7%	627	2.1%
American Indian Alone	132	0.5%	170	0.6%	189	0.6%
Asian Alone	1,205	4.5%	1,631	5.6%	1,873	6.3%
Pacific Islander Alone	9	0.0%	18	0.1%	23	0.1%
Some Other Race Alone	362	1.3%	532	1.8%	646	2.2%
Two or More Races	391	1.5%	600	2.1%	728	2.4%
Hispanic Origin (Any Race)	984	3.7%	1,437	5.0%	1,728	5.8%

Data Note: Income is expressed in current dollars.

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.

July 19, 2021

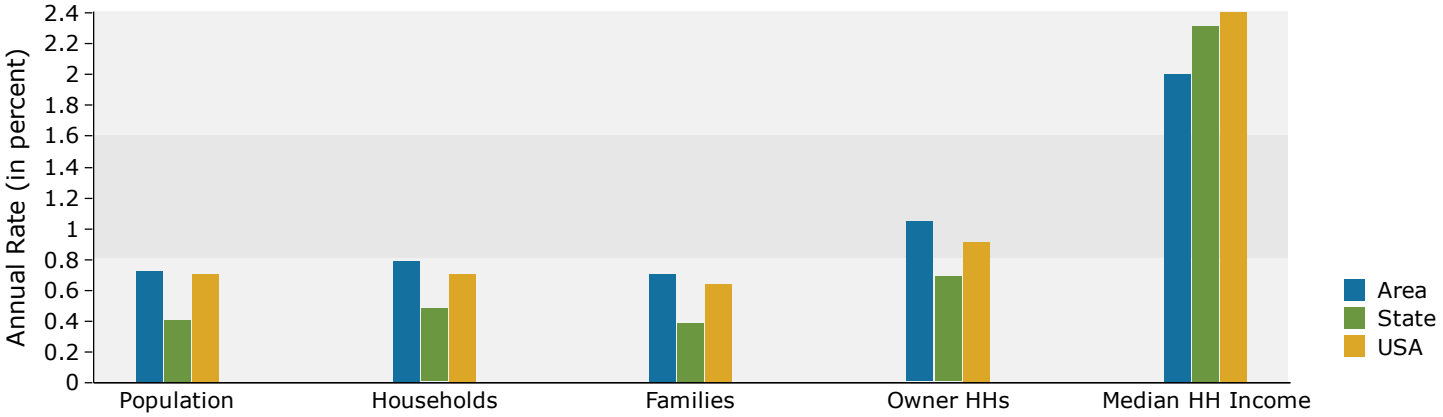
Reference 24.1
Sandies Cleaners

Demographic and Income Profile

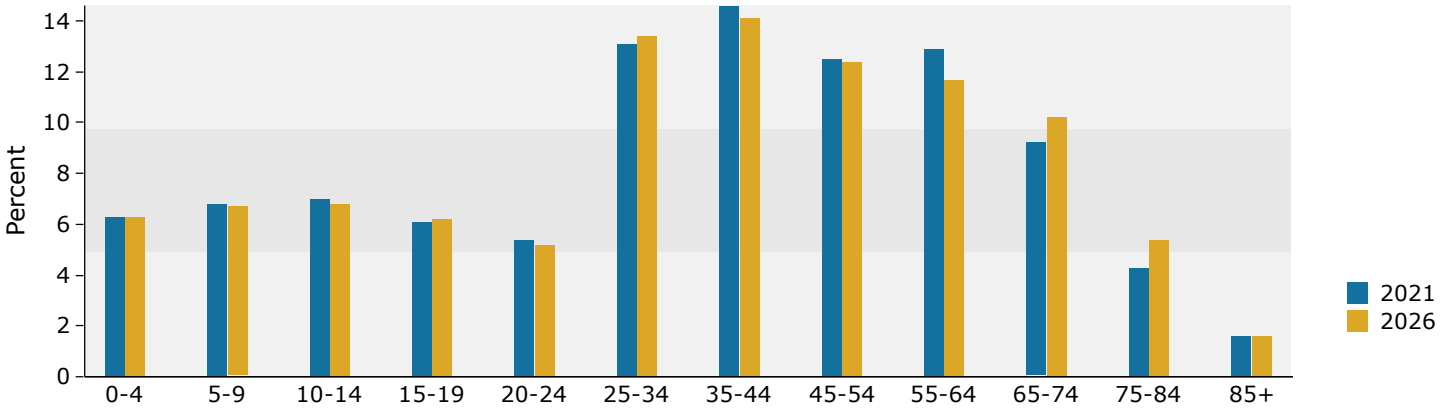
SANDIES DRY CLEANERS & LAUNDRY(FORMER)
American Family Insurance Jay Van Someren
Ring Band: 3 - 4 mile radius

Prepared by Esri
Latitude: 44.27919
Longitude: -88.31593

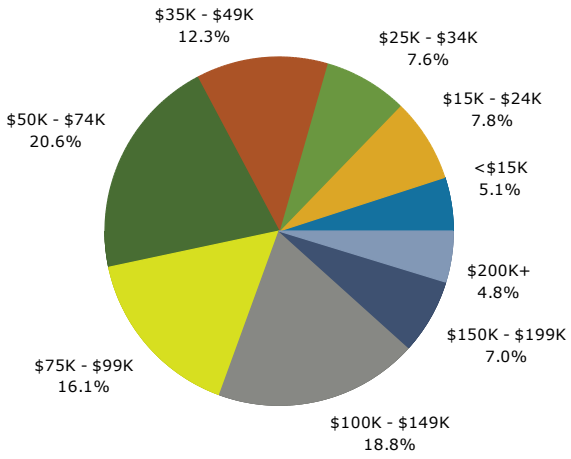
Trends 2021-2026



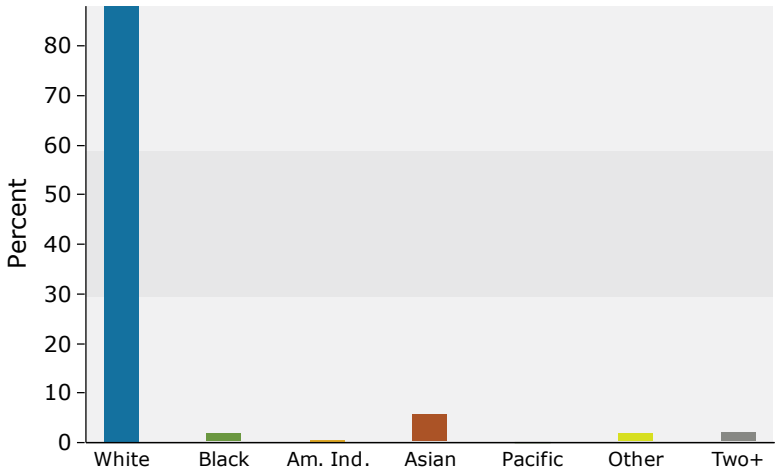
Population by Age



2021 Household Income

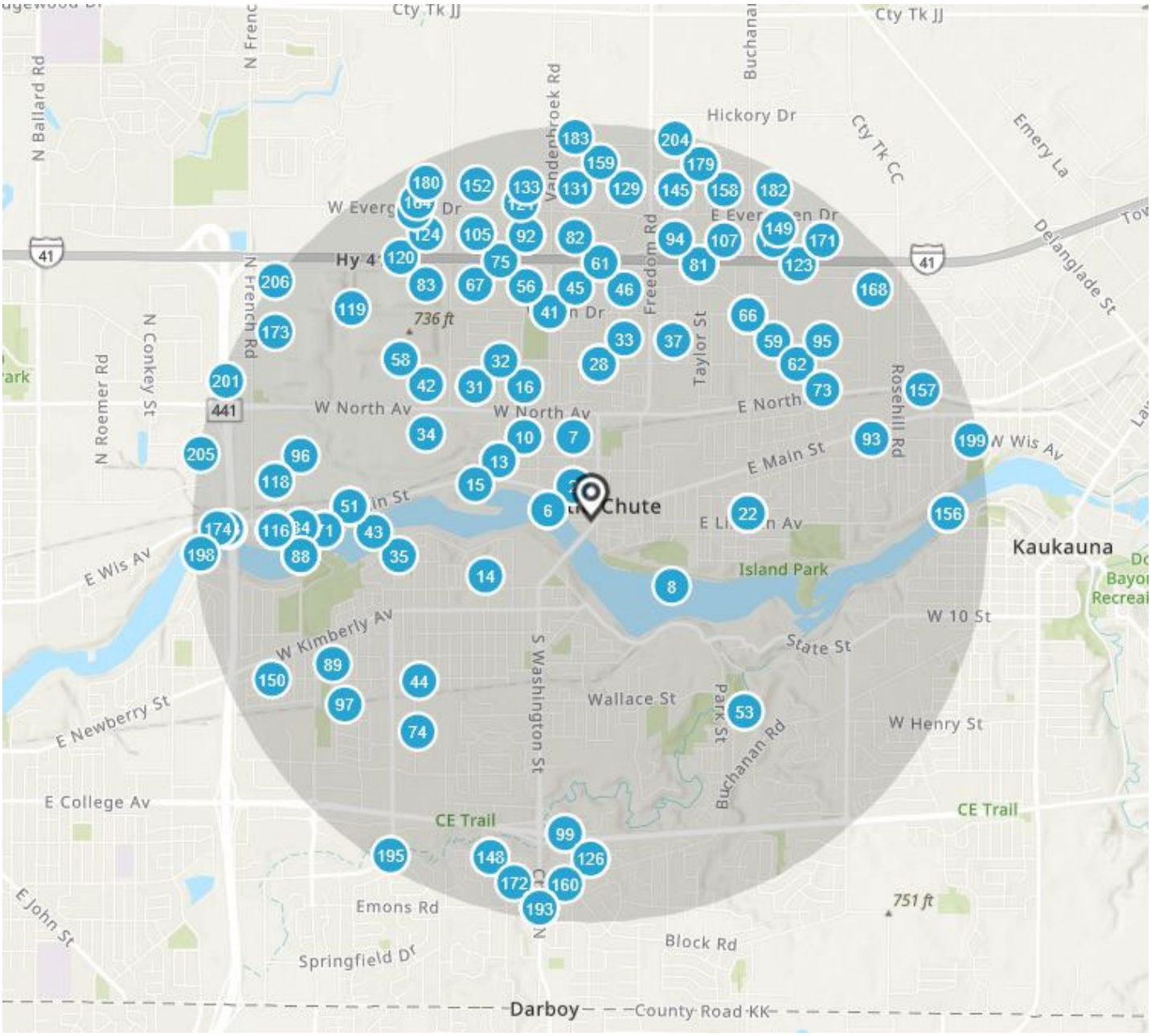


2021 Population by Race

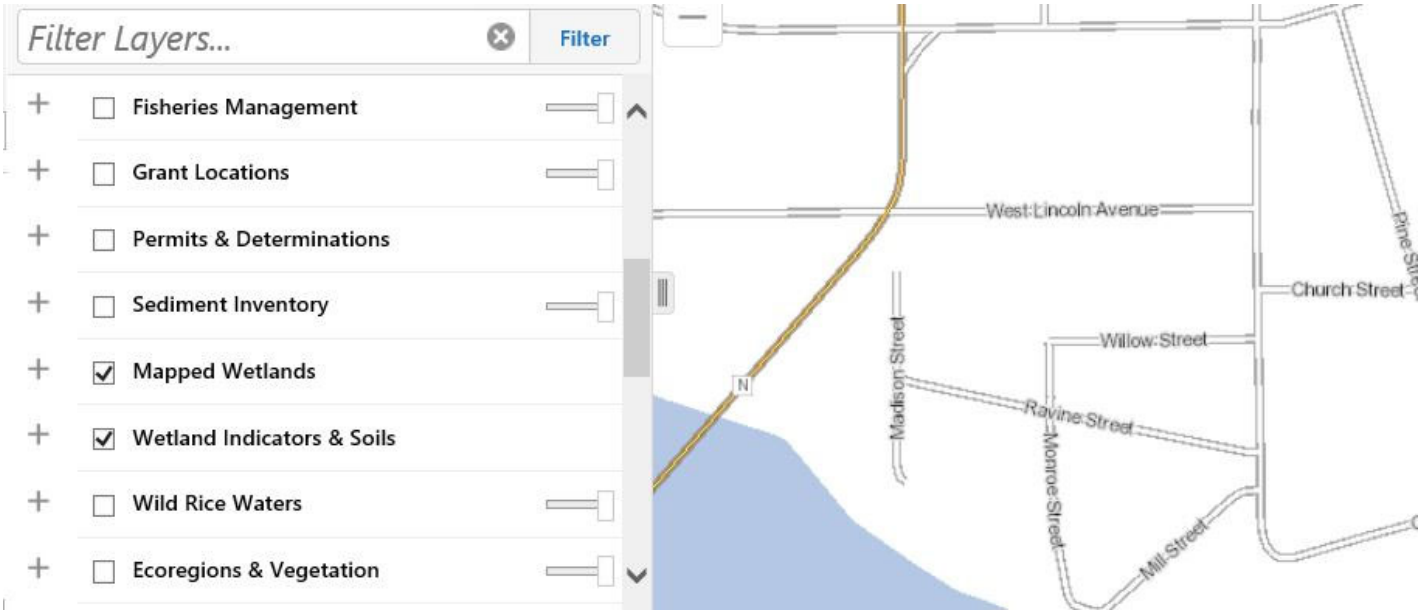


2021 Percent Hispanic Origin:5.0%

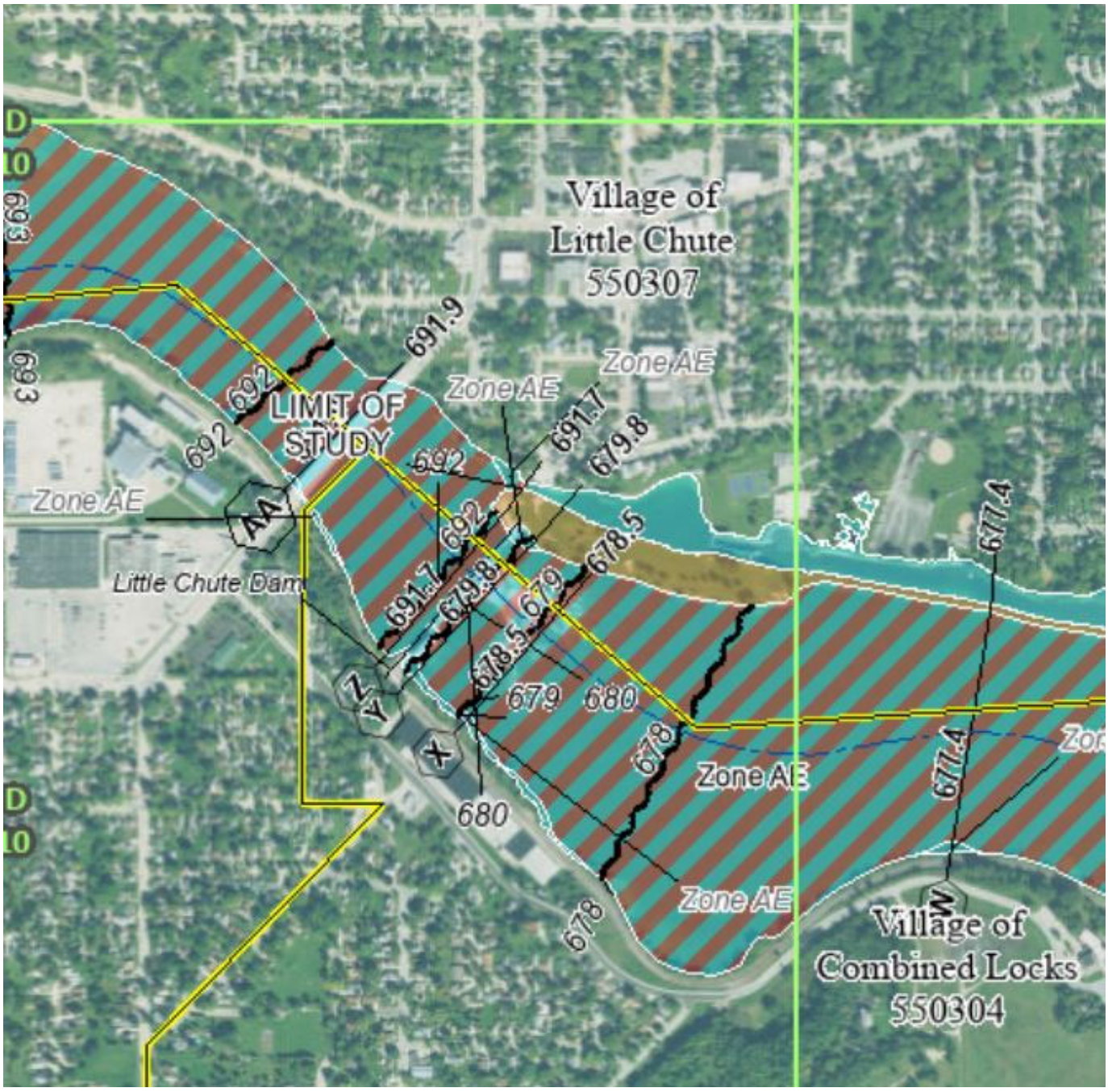
Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2021 and 2026.



Reference 25.1
Private Wells Within Two Miles
Sandies Cleaners



Reference26.1
Wetland Map
Sandies Cleaners



Flood Hazard Zones

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

Reference 27.1
Flood Map
Sandies Cleaners