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April 1, 2023

Ms. Josie Schultz Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, Wisconsin 54313

SUBJECT: **STATUS UPDATE REPORT 2**

> The Solberg Co - Site 2 1520 Brookfield Avenue Village of Howard, Wisconsin

GEC Project Number: 2-0919-397B BRRTS Number: 02-05-587486 (PFAS)

Dear Ms. Schultz,

Attached is a Status Update 2 for the Site Investigation Activity at The Solberg Company - Site 2, located at 1520 Brookfield Avenue in the Village of Howard, Wisconsin.

Sincerely yours,

GENERAL ENGINEERING COMPANY

Brian Youngwirth, P.G. Senior Geologist

Lynn M. Bradley

Environmental Department Manager

Mr. Mitch Hubert (Perimeter Solutions) C:

File



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INTRODUCTION

General

This report presents a summary of the findings and conclusions of the additional subsurface investigation activities performed at The Solberg Company – Site 2 located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin (Site) since completion of Status Update 1 (GEC, September 13, 2021). The activities were performed at the request and authorization of Mr. Mitch Hubert, an authorized representative of Perimeter Solutions (formerly The Solberg Company).

Purpose

The purpose of the performed investigation activities was to further evaluate the degree and extent of soil and groundwater contaminated with per-and polyfluoroalkyl substances (PFAS) resulting from the use of these chemicals on the Site. It should be noted that Ms. Pamela Havelka-Rivard, the research and development manager for Perimeter Solutions has indicated that the Site plant still produces PFAS-containing Aqueous Film Forming Foam (AFFF) and Alcohol Resistant Aqueous Film Forming Foam (AR-FFF) in the plant, but is no longer performing testing on fire suppression PFAS-containing chemicals in the "testing building" at the Site, which was the ultimate source of this release. It should also be noted that according to Ms. Havelka-Rivard, perfluoroctanesulfonic acid (PFOS) is not a compound that has ever been utilized at the Site.

Scope

The scope of the additional investigation activities included: the advancement of 7 soil borings, which were converted to 6 monitoring wells and 1 piezometer; collection of soil samples from selected borings; monitoring well surveying and development; collection of groundwater samples from 17 monitoring wells, 2 piezometers, a tank sump and an on-site pond; laboratory analysis of selected soil samples; laboratory analysis of groundwater samples at 3 separate laboratories (requested by the client); the performance of hydraulic conductivity testing at 2 monitoring wells, observation of the on-site pond outflow construction, potable well reconnaissance, and preparation of this report. The investigation activities were structured specifically to address the presence of PFAS. The testing should not be considered an all-inclusive search for hazardous substances across the Site.

SITE FEATURES AND BACKGROUND

Site Features

The Site is an approximate 10-acre parcel of land (Parcel Number VH-3175) owned by Perimeter Solutions, LP. The Site is located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin, and is situated on the east side of Brookfield Avenue, approximately ½ mile south of County Road M (Lineville Road) within the northwest ¼ of the southeast ¼ of Section 3, Township 24 North, Range 20 East. A Site Location Map is included as Figure 1 in Appendix A.

Based on a review of aerial photographs, the Site was utilized as agricultural land from the at least the 1930s to May of 2011 and was developed with the current facility between May and October of 2011. It should be noted that suspected manure spreading occurred on the Site and surrounding properties to the north and south based on a review of a 2010 aerial photograph, and suspected manure spreading on the adjoining property to the north occurred based on a review of a 2020 aerial photograph. It is not known whether other biosolids, such as sewage sludge, were regularly applied to the agricultural land. The Site is currently developed with two buildings including an office, laboratory, and production plant located on the western portion of the Site parcel, and a fire-fighting testing building, with a small contiguous mechanical building to the east. An underground oil/water separator tank system is located just east of the mechanical building. A Current Site Plan Map is included as Figure 2, Appendix



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A. The Site obtains potable water services from the Village of Howard from the municipal system. Utility locations are shown within the area of the former release to the extent they have been mapped to date.

The unused gasoline and fluids generated during fire suppression testing exercises were historically collected in a drain that was piped below grade to the east of the building to a below grade oil/water separator system. The oil/water separator system is comprised of 3 underground tanks including a central 3-section oil/water tank with weirs to separate petroleum products and water, a northern product collection tank, and a southern water storage tank. The product tank was generally filled annually, and the product was routinely removed and recycled. The water tank was pumped into an on-site tank, where it was treated and shipped out for proper disposal by Perimeter Solutions.

The surface of the Site is relatively flat and is situated in a region that gently slopes to the south and east toward Green Bay (Lake Michigan), located approximately 1 mile southeast of the Site. The surface of the Site is covered primarily by grass, with asphalt and parking areas present south of the office building. An asphalt drive also extends from the parking area toward the east-northeast to the south side of the fire suppression testing building. A storm water detention pond is located to the south of the testing building along the southern boundary of the Site. Pond outfall exits the southwest end of the pond through a polyvinyl chloride (PVC) pipe that is directed southwest to a drainage swale covered by overgrown vegetation along the south end of the Site, where outfall water migrates westward to the ditch line along Brookfield Avenue. Overgrown vegetation is present on the far eastern portion of the Site and along the northern boundary of the Site.

The Site parcel is bordered to the north and east by vacant land and residential properties, to the south by commercial property followed by vacant agricultural land, and to the west by Brookfield Avenue, across which are commercial and residential properties.

There does not appear to be the potential for impacts to threatened or endangered species; sensitive species, habitat, or ecosystems; outstanding or exceptional resource waters; or sites of historical or archaeological significance.

Background

On March 18, 2019, the Wisconsin Department of Natural Resources (WDNR) was notified of a spill at the Solberg Company located at 1520 Brookfield Avenue in the Village of Howard, Brown County, Wisconsin. The spill was the result of flood water from significant rain events flooding the entire eastern portion of the Site, causing the sump pump used to remove high groundwater from the oil/water separator underground storage tank (UST) system backfill to fail. As a result, the oil/water separator tank system subsequently failed, filled with water, and released an estimated 100 gallons of gasoline through the top manway to the surface flood waters surrounding the UST system.

Valley Environmental Response (VER) responded to the spill, surrounded the area impacted with gasoline around the UST system with petroleum absorbent boom and pom-poms, and pumped the fluids remaining in the UST system into a frac tank. At that time the use of the compromised UST system was discontinued until repairs could be made.

As the result of the very wet spring, multiple UST or UST backfill dewatering events were conducted during the system repairs, with water collected and containerized in on-site frac tanks during each event. Final repairs to the UST system and excavation of petroleum impacted soils could not be completed until June 2019. On June 24th, 2019, the area around the UST system was dewatered into frac tanks and the final system repairs were made. In total, greater than 40,000 gallons of gasoline-impacted water were pumped into frac tanks and treated by a carbon filtration system. Groundwater samples were collected (Frac 1, 2, 3, 4, Water Tank and Sump Above Oil Tank) to dispose of the collected water at the Green Bay Metro Sewerage District.

After the final UST system repairs, VER conducted the excavation of gasoline-impacted surface soils surrounding the UST system. On June 25th through 26th, 2019, excavation of approximately 133 tons of gasoline-impacted



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soils were conducted by VER, with soil disposed of at Waste Management - Ridgeview Security Landfill located in Whitelaw, Wisconsin.

Under the direction of the WDNR, excavated soils were field-screened using a photoionization detector (PID) to assist in confirmation that gasoline-impacted soils were removed. Excavation depths ranged from 4 to 12 inches below ground surface (bgs) except for areas excavated to make the final water UST repair, where the excavation extended to approximately 3 feet bgs. In total, 13 soil samples were collected approximately every 30 feet along the base of the excavation. Soil samples were analyzed for petroleum volatile organic compounds (PVOCs) and naphthalene. Soil sample results did not identify any residual soil exceeding Wisconsin Administrative Code (WAC) NR 720 standards. The estimated extent of the remedial excavation and confirmation soil sample locations are shown on Figure 4, Appendix A.

Shallow groundwater was present at the Site at approximately 16 inches bgs. As directed by the WDNR, three test pits were created just outside the excavation limits on June 25th, 2019. Water samples were collected from the test pits (GW-1 to GW-3) and the UST excavation (GW UST) adjacent to the water tank, prior to backfill on June 26th, 2019. Water samples were analyzed for PVOCs and naphthalene. Analytical results from the groundwater samples collected from the test pits did not exceed WAC NR 140 standards. The water samples collected from the UST backfill near the water tank (GW UST), contained benzene (95 micrograms per liter (µg/L)), naphthalene (186 J ug/L), toluene (1,380 ug/L), total trimethylbenzenes (1,266 ug/L) and total xylenes (3,210 µg/L), all exceeding the WAC NR 140 enforcement standards (ES).

As a result of the impacted water identified in the UST system backfill, the WDNR created a case for the spill, issued a Responsible Party (RP) letter, dated August 14th, 2019, and General Engineering Company (GEC) was subsequently retained to perform a site investigation.

Three soil borings (B-1 to B-3) were advanced on the Site on November 19th, 2019. The borings were advanced just beyond the tank system and converted to NR 141 compliant monitoring wells designated MW-1 to MW-3, respectively. The monitoring wells were developed on November 26th, 2019. The soil boring and monitoring well locations are shown on Figure 3, Appendix A.

The surface at the soil borings consisted of 18 inches of topsoil at B-1 and B-2, and 12 inches of sand and gravel at B-3. The surface materials were generally underlain by natural soils consisting of tan or brown silty fine sand to depths of 10 feet to 12.5 feet bgs. Reddish brown silty clay soils were encountered at B-1 at depths of 8.5 to 10 feet bgs; at B-2 at depths of 1.5 feet to 2.5 feet bgs and 9 feet to 12.5 feet bgs; and B-3 at depths of 10 to 12.5 feet bgs. Brown sand was also encountered at B-2 at depths ranging from approximately 6.5 feet to 9 feet bgs.

Soil samples for laboratory analysis were collected from B-1 to B-3 at depths ranging from 2.5 feet to 5 feet bgs. The soil samples collected did not report detectable concentrations of PVOCs or naphthalene.

Groundwater samples were collected from the monitoring wells and tank sump on December 13th, 2019, March 24th, 2020, June 11th, 2020, and October 12th, 2020. The groundwater samples collected at monitoring wells MW-1 and MW-2 reported low concentrations of benzene above the WAC NR 140 preventive action limit (PAL) during a few of the sampling rounds and the groundwater samples collected from the sump reported benzene concentrations exceeding the WAC NR 140 ES during the initial 3 sampling rounds but no WAC NR 140 ES exceedances in the final sampling round were reported.

A Closure Request for the leaking underground storage tank (LUST) petroleum case was subsequently submitted to the WDNR during June of 2021. The LUST petroleum case was closed by the WDNR on July 1st, 2021 (The Solberg Co. BRRTS No. 03-05-584180). However, as part of the petroleum site investigation under WAC NR 716, emerging contaminants were evaluated at the Site. Due to the Site operations at that time, which included the testing of various fire suppression foams (known to contain PFAS), during the October 12th, 2020, groundwater sampling event, groundwater samples were also collected from MW-1, MW-3, and the tank sump and analyzed by the Wisconsin State Laboratory of Hygiene in Madison, Wisconsin for the presence of PFAS. The groundwater samples collected from monitoring wells MW-1 and MW-3 and the tank sump reported

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concentrations of several PFAS. The highest concentrations were detected at MW-3. The most notable were Perfluorohexanoic Acid (C6) (PFHxA), Perfluoropentanoic Acid (C5) (PFPeA), and 6:2 fluorotelomer sulfonate (6:2 FTSA) with concentrations of 43,900 nanograms per liter (ng/L), 48,000 ng/L, and 1,320,000 ng/L, respectively.

Therefore, an additional case was opened by the WDNR with PFAS as the contaminants of concern (The Solberg Co. – Site 2, BRRTS No. 02-05-587486).

Prior to the performance of the initial site investigation activities for the PFAS investigation, Valley Environmental Response (VER) was contracted by the Solberg Company/Perimeter Solutions to respond to and clean up impacts from a gasoline spill resulting from a line failure while transferring gasoline from an UST into the testing building. According to the Spill Report, (VER, August 18, 2021), it was estimated that approximately 300-gallons of a solution of gasoline mixed with water spilled onto the ground north and west of the concrete pad located above the gasoline UST, and ran over ground to the west, toward the Site building, and to the south around the edge of the concrete pad where it soaked into the ground surface. The tank area is surrounded by concrete bumper guards. VER dispatched to the Site on May 13, 2021, to evaluate the situation, surrounded the spill location with petroleum-absorbent booms and determined the resources that would be necessary to properly respond to the release. On May 19th through the 27th, 2021, VER mobilized staff to the Site to complete the response actions associated with the gasoline spill, which included spill containment, surface cleaning efforts and remedial excavation activities.

As indicated in the Spill Report, on May 19th, 21st, 22nd, 26th and 27th, 2021, under direction of WDNR Northeast Region Spills Coordinator, Maizie Reif, , gasoline-impacted soils were assessed and excavated until there was no remaining evidence of the presence of gasoline in the soil samples, with the exception of the location just north of the UST system within the concrete bumpers at sample location SS-4, where excavation to water occurred. The majority of the shallow soils in the location of the spill were assessed by using visual and olfactory evidence, and by field screening soils utilizing a PID. Thirteen soil samples (S-1 to S-13) were collected for PID confirmation sampling. Select soil samples located to the north of the UST system, where the vast majority of the gasoline and water pooled during the spill were collected from the sidewalls and bottom of the excavation (SS-1 to SS-4). Based on the petroleum odors and PID results at SS-4, it was apparent during excavation in this location that complete excavation of impacted soils could not be completed.

The excavation limits reportedly extended north of the concrete pad located over the UST system, beyond the bumpers (approximately 20 feet north of the concrete), west to the site building (approximately 65 feet), south to the south side of the concrete pad where fuel had migrated during the spill (approximately 12 inches wide along the south side of the pad); and to a depth of approximately 18 inches bgs. The Estimated Limits of the Remedial Excavation and the Confirmation Soil Sampling Locations are shown on Figure 4A, Appendix A.

Soil samples SS-1 to SS-4 were evaluated for laboratory analysis for the presence of PVOCs and naphthalene. The soil samples collected at SS-1 to SS-3 did not report detectable concentration of PVOCs and naphthalene. The soil sample collected at SS-4 from the bottom of the excavation, between the concrete pad and the bumpers, at the soil/water interface, identified PVOCs and naphthalene exceeding the WAC NR 720 soil to groundwater pathway and/or cancer and direct contact residual contaminant levels (RCLs). Specifically, the soil sample reported concentrations of benzene (10,800 micrograms per kilogram (μ g/kg)), ethylbenzene (9,600 μ g/kg), naphthalene (3,400 μ g/kg), toluene (24,300 μ g/kg), total trimethylbenzenes (29,100 μ g/kg), and total xylenes (48,600 μ g/kg).

Due to the known presence of PFAS at the Site (The Solberg Co – Site 2, WDNR BRRTS # 02-05-587486), the WDNR did not require PFAS soil sample analysis associated with this spill. A profile sample was collected for soil disposal and due to the presence of PFAS, soils were required to be disposed of as impacted with both gasoline and PFAS.



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In total, approximately 94 tons of gasoline and PFAS-impacted soils, were excavated and disposed at Waste Management Columbia Ridge Landfill in Arlington, Oregon. Additionally, three cubic yard boxes of gasoline and PFAS-impacted absorbents and plastic were also disposed at Waste Management Columbia Ridge Landfill.

An additional LUST petroleum case was opened by the WDNR on August 27, 2021 (The Solberg Co- PVOC BRRTS No. 03-05-588286).

Nine soil borings (B-4 to B-12) were advanced on the Site on May 25th and 26th, 2021. Soil borings B-4 to B-11 were advanced beyond MW-1 to MW-3 to the north, south, east, and west of the UST area. Soil boring B-12 was advanced within a few feet of MW-3. Soil samples were collected continuously by driving a 5-foot plastic sleeve into undisturbed soils to depths of approximately 13.5 feet to 30 feet bgs. Subsequent to soil sampling, soil borings B-4 to B-11 were converted to WAC NR 141 compliant monitoring wells designated MW-4 to MW-11, respectively. Soil boring B-12 was converted to a WAC NR 141 compliant piezometer PZ-1. The monitoring wells were advanced to depths of 13.5 feet to 28 feet bgs utilizing 4.25-inch diameter (8-inch borehole) augers. Soil boring and monitoring well locations are shown on Figure 3, Appendix A.

The surface of the investigation area consisted of grass or overgrown vegetation, except for B-12, which consisted of sand and gravel. The surface materials, except for B-12, were underlain by topsoil ranging in depths from approximately 3-inches to 1.25 feet bgs. The near-surface sand and gravel at B-12 and topsoil at the remaining locations were underlain by variable natural soils primarily consisting of silt and sand mixtures in the upper to central portions of the borings to depths of approximately 5 feet bgs to 12 feet bgs. The upper sand and silt layer was generally underlain by finer-grain soils consisting of silty clay or clayey silt to boring termini ranging from 13 feet to 28.5 feet bgs. Groundwater was encountered within a few feet of the ground surface.

Monitoring wells MW-4 to MW-11 and piezometer PZ-1 were developed on May 26th and 27th, 2021. One round of groundwater samples was collected from monitoring wells MW-1 to MW-11, piezometer PZ-1, the tank sump, and the on-site pond on June 2nd, 2021 and submitted for laboratory analyses of PFAS at three independent laboratories (Wisconsin State Laboratory of Hygiene in Madison, Wisconsin (WSLH), Pace Analytical in Green Bay, Wisconsin (Pace), and SGS – AXYS Analytical Services in Sydney, British Columbia, Canada (SGS)).

Soil samples were collected for laboratory analysis from B-4 to B-12 at depths ranging from 0.25 feet to 3 feet bgs. Perfluoroheptanoic Acid (C7) (PFHpA), PFHxA, PFPeA, and 6:2 FTSA were reported in six of the nine soil samples submitted for laboratory analyses (B-5, B-7, B-8, B-10, B-11, and B-12). Soil boring B-9 reported PFOS PFHpA, PFHxA, and PFPeA. Soil boring B-6 reported PFPeA and 6:2 FTSA, and B-8 and B-11 also reported Perfluoroburanoic Acid (C4) (PFBA). One of the soil samples did not report detectable concentrations of PFAS (B-4). The concentrations of detected PFAS ranged from 1.13 ng/g to 15.2ng/g (PFPeA), 1.15 ng/g to 9.9 ng/g (PFHxA), 0.56 ng/g to 9.34 ng/g (PFHpA), 0.54 ng/g to 63.8 ng/g (6:2 FTSA), and 0.929 ng/g to 3.3 ng/g (PFBA). PFOS was found in one sample (B-9) at a concentration of 0.446F ng/g. The "F" indicates the parameter was detection above the detection limit but below the limit of quantitation. PFOS is the only PFAS compound with an established WAC NR 720 RCL (16,400 ng/g, industrial direct contact RCL, and 1,260 ng/g, non-industrial direct contact RCL). The highest total concentrations of PFAS were identified in B-12 (70.96 ng/g), and B-11 (38.38 ng/g). The results of the chemical analyses of the soil samples are summarized in Table A.2.

The groundwater samples collected from MW-1 to MW-11, the tank sump and the on-site pond reported significant detections of PFHpA, PFHxA, PFBA, PFPeA, and 6:2 FTSA as well as other PFAS. The highest concentrations from the groundwater samples submitted for laboratory analysis at the SWLH were detected within the groundwater samples collected from source area monitoring well MW-3, which reported Perfluoroctanoic Acid (C8) (PFOA) (79.9 ng/L), Perfluorobutanesulfonic Acid (C4) (PFBS) (12.6 ng/L), PFHpA (926 ng/L), PFHxA (13,300 ng/L), PFBA (2,590 ng/L), PFPeA (19,700 ng/L), 4:2 fluorotelomer sulfonate (C6) (4:2 FTSA) (79.2 ng/L), and 6:2 FTSA (3,000 ng/L). The concentration of 6:2 FTSA failed the qualitative control limit at MW-3 but ranged from 243,000 ng/L to 460,000 ng/L in the sample results reported by SGS and Pace, respectively.

Regarding the deeper groundwater results, the groundwater sample collected from PZ-1 reported 6:2 FTSA (36 ng/L) and PFHxA (1.2J ng/L). The results of the chemical analyses of the groundwater samples are summarized



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in Table A.1 in Appendix B. Since the extent of PFAS-contaminated soil and groundwater had not been defined, the work discussed herein was subsequently performed.

FIELD ACTIVITIES AND PROCEDURES

Scope Summary

The planned scope of services included the performance of a total of 7 soil borings which were converted to 6 monitoring wells and 1 piezometer, collection of soil samples from the borings, monitoring well development and surveying, collection of groundwater samples from the 17 monitoring wells, the 2 piezometers, the tank system sump, and the on-site pond, submittal of the soil samples to a State certified laboratory (WSLH), submittal of the groundwater samples to two additional laboratories (Pace and SCS) (requested by the client), hydraulic conductivity testing at 2 of the monitoring wells, observation of the outflow of the on-site pond, potable well reconnaissance, and preparation of this report. Five of the soil borings, 4 of the monitoring wells and the piezometer were all performed off-site. The soil and groundwater samples were submitted for laboratory analysis for the presence of PFAS.

It should be noted that due to the numerous compounds within the PFAS testing list, only the primary detections will be discussed within this report. All detections can be found on the soil and groundwater tables and within the analytical results included in this report. The primary detections within groundwater are considered to include PFHpA, PFHxA, PFBA, PFPeA, and 6:2 FTSA, which correlate with source area soil analytical results with the exception of PFBA, which was not detected within the source area soil samples, but was detected in one sample location to the south (B-8). The groundwater samples were provided to 3 different laboratories at the request of the client. The groundwater results discussed within this report are associated with the WSLH, who also reported the results of the soil sampling. The other two laboratories' results pertaining to groundwater are summarized on the groundwater tables.

Field Exploration

Seven soil borings (B-13 to B-19) were advanced on the Site and adjoining northern and southern off-site properties on July 11, 2022, and converted to 6 WAC NR 141 compliant monitoring wells and a piezometer. Soil borings B-13 and B-14 were advanced on the northern portion of the northern adjoining off-site property and converted to monitoring wells MW-12 and MW-13, respectively. Soil borings B-15 and B-18 were performed on the western and eastern portions of the Site, respectively, and converted to monitoring wells MW-14 and MW-17, respectively. Soil borings B-16 and B-17 were performed on the southern adjoining off-site property and converted to monitoring wells MW-15 and MW-16, respectively. Soil boring B-19 was performed within a few of MW-15 and converted to piezometer PZ-2. The soil borings were performed by On-Site Environmental Services of Sun Prairie, Wisconsin. The borings were performed with two track-mounted Geoprobe® units. Soil samples were collected continuously by driving a 5-foot plastic sleeve into undisturbed soils to depths of approximately 13 feet to 28.5 feet bgs with the exception of B-16/MW-15, which was performed within a few of B-19/PZ-2. After the soil probing and sampling, borings were advanced to depths of 13.5 feet to 28.5 feet bgs utilizing 4.25-inch diameter (8-inch borehole) augers. The sampling equipment was decontaminated with a pressure washer The soil cuttings generated were placed into Wisconsin Department of between sampling locations. Transportation (WDOT) 55-gallon drums, which remain on-site while disposal is coordinated. The soil boring and monitoring well locations are shown of Figure 3, Appendix A.

The monitoring well construction consisted of a 10-foot section (the piezometer is a 5-foot section) of 2-inch diameter, machine-slotted PVC screen placed at or near the bottom of the borehole. The PVC casing was surrounded by a properly graded granular filter medium in the annular space, with un-slotted riser pipe extending from the screened section to a few feet above the ground surface. An approximate 2-foot-thick bentonite seal was placed above the granular filter medium to the ground surface. The wells are protected by pro top stick-up or flush-mounted covers. Monitoring well construction forms are included in Appendix C.



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Field Volatile Vapor Emission Screening

Soil samples collected from the soil probes were screened for volatile organic vapor emissions with a Honeywell ppbRae 3000+ PID. This PID is an electronic instrument that measures the relative concentration of volatile organic vapor emissions in the headspace of a container in part per billion (ppb). The meter serves as one tool is selecting samples for analytical testing. The soil samples were placed in a plastic bag and permitted to equilibrate to at least 70 degrees Fahrenheit for a period of at least 15 minutes, based upon the ambient outdoor temperature. The screening was then performed by inserting the probe in the bag and measuring the headspace. The response of the instrument is dependent upon volatility, temperature, and the ionization potential of the compounds measured.

Soil Sample Collection and Preparation

The soil samples for chemical analyses were selected from the borings, based upon visual and olfactory observations, the direct contact risk, and the depth to groundwater to document the encountered soil conditions. The samples were submitted for laboratory analysis for the presence of PFAS.

The soil samples submitted for laboratory analysis for the presence of PFAs were extracted from the soils utilizing sterile laboratory provided sampling kits, which included 100 milliliter unpreserved digi-tubes for each soil sample. The samples were immediately placed on ice, and chain-of-custody procedures were initiated. The samples were then submitted to the WSLH, for laboratory analysis.

DESCRIPTION OF SUBSURFACE CONDITIONS

General

A description of the subsurface conditions encountered at the soil boring locations is shown on the soil boring logs included in Appendix C. The lines of demarcation shown on the logs represent an approximate boundary between the various soil classifications, but the transition is likely to be more gradual. It must be recognized that the soil descriptions are considered representative for the specific location, and that variations may occur between and beyond the sampling intervals and probing locations. A summary of the major soil profile components is described in the following paragraphs.

Soil Conditions

The surface at the sample locations consisted of grass or overgrown vegetation. The surface materials, except for B-17 and B-18, were underlain by topsoil ranging in depths from approximately 6-inches to 2.25 feet bgs. The near surface vegetation at B-17 was underlain by gray and black silty sand topsoil fill with varying amounts of gravel to a depth of 5 feet bgs. The surface vegetation at B-18 was underlain by grayish brown clayey silt. The fill at B-17, clayey silt at B-18, and topsoil at the remaining borings were underlain by natural soils primarily consisting of light brown, tan, tannish brown, and orangish brown silty sand to depths of approximately 7 feet to 12.5 feet bgs. The silty sand was underlain by tannish-gray, grayish-brown, and reddish-brown silty clay and clayey silt to the termination depths of the borings from 15 feet to 28.5 feet bgs. Groundwater was encountered within a few feet of the ground surface.

GROUNDWATER MONITORING ACTIVITIES

Well Development

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Monitoring wells MW-12 to MW-17 and PZ-2 were developed on July 11, 2022. The monitoring wells were developed by purging and/or surging with a pump. Monitoring wells MW-12, MW-13, MW-14, MW-15, and piezometer PZ-2 were purged and dried several times until relatively sediment free water was produced. Monitoring wells MW-15 and MW-16 did not dry and were purged/surged until relatively sediment free water was





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produced. The development water was containerized within WDOT 55-gallon drums and disposed by Perimeter Solutions as part of their facilities waste. The well development and other pertinent details are shown on the monitoring well development forms (Form 4400-113B), included in Appendix C.

Groundwater Sampling

One round of groundwater samples was collected from monitoring wells MW-1 to MW-17, piezometers PZ-1 and PZ-2, the tank sump, and the on-site pond on July 12, 2022. The groundwater samples were submitted for laboratory analysis for the presence of PFAS. The groundwater samples were collected by purging 4 well volumes from each monitoring well utilizing dedicated PFAS-free pumps and PFAS-free tubing. The pond sample was collected by dipping a sampling bottle into the pond at the surface, as requested by the WDNR.

Samples submitted for PFAS analysis were transferred into a laboratory provided testing kits from 3 separate labs as requested by the client. The sample containers were immediately placed on ice and standard chain-of-custody procedures were initiated. The groundwater samples were submitted to WSLH, Pace, and SGS.

Groundwater Well Elevations and Hydraulic Conductivity Testing

Groundwater level measurements were performed at MW-1 through MW-3 on December 13th, 2019, March 24th, 2020, June 11th, 2020, October 12th, 2020, June 2nd, 2021, May 13th, 2022, and July 12th, 2022; at MW-4 through MW-11, and PZ-1 on May 26th, or 27th, 2021, June 2nd, 2021, and July 12th, 2022; and at MW-12 through MW-17 and PZ-2 on July 11th, 2022, and July 12th, 2022.

Groundwater fluctuations appear to be influenced by seasonal precipitation. Static groundwater levels ranged from 1.57 below top of casing (TOC) at MW-14 (EL. 586.43) on July 11th, 2022, to 6.69 feet below TOC at MW-2 and MW-3 (EL. 584.15 and EL. 584.19, respectively) on October 12th, 2020. Groundwater elevations ranged from EL. 584.15 at MW-1 and MW-2 on October 12th, 2020, to EL 588.02 at MW-1 on November 26th, 2019.

With regard to the piezometers, static groundwater levels have ranged from 4.40 feet below TOC at PZ-1 (EL. 586.52) on June 2, 2021, to 5.39 feet below TOC at PZ-1 (EL. 585.53) on May 27, 2021. Horizontal groundwater flow within the two piezometers was toward the southeast during the July 12, 2022, sampling round; however, an additional piezometer would be necessary to evaluate deeper groundwater flow more accurately. The vertical gradient between monitoring wells/piezometers MW-3/PZ-1 and MW-15/PZ-2 was slightly downward during the most recent sampling round at 0.006 and 0.002, respectively.

Groundwater elevation data is summarized on Table A.6 in Appendix B. Based on the initial groundwater elevations from all monitoring wells, the groundwater flow appears to be primarily toward the north in close proximity to the release and to a lesser extent towards the southeast beyond the southern boundary of the Site. Groundwater elevations and the flow direction are likely affected by the on-site pond and intermittent flooding that may occur. Vertical groundwater flow appears minimally downward. Long term monitoring of the groundwater monitoring wells would be necessary to further evaluate the groundwater elevations and flow direction. A groundwater elevation contour and flow direction map for July 12, 2022, is provided in Figure 5, Appendix A.

Hydraulic conductivity testing was performed within the monitoring wells MW-1 and MW-9 where variable natural soils consisting of silty clay, clayey silt, and silty fine sand were encountered. The hydraulic conductivity value was calculated by performing a draw down test and recording recharging water levels every half second with an Onset Data Logger with barometric pressure sensor. The information (time and drawdown) was then plotted on semi-log paper and the conductivities were calculated using the Bouwer and Rice method. The hydraulic conductivities at MW-1 and MW-9 were calculated to be 4.48 x 10^-5 centimeters (cm)/second and 7.65 x 10^-5 cm/second, respectively.



Portage



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POTABLE WELL RECONNAISSANCE AND POND OUTFLOW OBSERVATIONS

Potable Well Reconnaissance

According to a review of the WDNR Well Construction Information System database, several potable wells may be located within approximately 1,200 feet of the source area of the release. Potable well construction records for 15 wells reportedly located within approximately 2,000 feet of the Site are included in Appendix E. It should be noted that the closest identified well (Village of Howard municipal well-BF215) is depicted on the western boundary of the Site but appears to be located approximately 3,000 feet northwest of the Site on Cornell Road. Additionally, several of the identified potable wells are associated with old farmsteads that are no longer present, therefore several of the wells may no longer be present. As indicated in a subsequent section of this report, deeper groundwater at PZ-1 and PZ-2 does not appear to have been substantially impacted with reported concentrations below applicable standards. Therefore, GEC is not planning to perform any additional potable well reconnaissance or testing at this time, subject to the concurrence of the WDNR.

Pond Outflow Observations

A detention pond is present on the southern portion of the Site, which reportedly is lined with a Type A or B liner. GEC has not been able to confirm the construction of the pond liner as of the date of this report. The pond is approximately 530 feet long and ranges from approximately 65 feet in width along the eastern end (approximately 6-foot depth) to up to 105 feet in width along the western end (approximately 8-foot depth). The pond rim is surrounded by rock rip rap. Water is supplied to the pond by surface runoff and also from a foundation drain system extending from the western building on the Site to the east and then southeast through piping and a drainage swale to the north end of the widest portion of the pond. Highwater outflow from the pond extends from the southwestern limits of the pond into an 8-inch PVC pipe that extends southwest to a drainage swale covered by overgrown grass along the south end of the Site, south of the access driveway. The water discharges from the 8-inch pipe along the eastern ditch line of Brookfield Avenue. Photographs of the pond area are included in Appendix F.

On March 31, 2023, GEC observed the pond outfall during a period of highwater. The pond outflow appeared to discharge to the eastern ditch line along Brookfield Avenue immediately south of the Site drive entrance. Surface water was observed flowing from north of the Site along the eastern ditch line where it intersected the pond outfall from the Site and flowed southward. The ditch line appeared to collect surface water runoff from several of the properties located south of the Site. The ditch line is also in close proximity to several other detention ponds associated with the other commercial properties located south of the Site. The ditch line flow was observed to cross under Lakeview Drive, located approximately 2,300 feet south of the Site drive entrance. A few hundred feet south of Lakeview Drive the ditch flow appeared to enter and intermittent creek toward the east.

FIELD AND ANALYTICAL TESTING RESULTS

NR 720 Soil Standards

There are currently no WAC NR 720 soil to groundwater standards for PFAS. There are currently WAC NR 720 Industrial and non-Industrial Direct Contact RCLs for the following PFAS: PFBS (16,400,000 ng/g and 1,260,000 ng/g), PFOA (16, 300 ng/g and 1,260 ng/g), and PFOS (16,400 ng/g and 1,260 ng/g), respectively.

Laboratory Soil Results

Portage

Soil samples for laboratory analysis were collected from B-13, B-14, B-17, B-18, and B-19 at depths ranging from 0.5 feet to 1-foot bgs. The collected soil samples did not report detectable concentrations of PFAS.





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The results of the chemical analyses of the soil samples are summarized in Table A.2 included in Appendix B. Laboratory analytical results and chain-of-custody forms are included in Appendix D.

Groundwater Quality Standards

According to Wisconsin State Legislature Rule CR21-088, the drinking water standards for PFOS and PFOA are 70 ng/L individually and in total. According to Wisconsin State Legislature Rule CR21-083, the level of public health significance for PFOS in all waters except those that cannot naturally support fish is 8 ng/L. According to Wisconsin State Legislature Rule CR21-083, the level of public health significance for PFOA in waters classified as public water supplies under WAC NR 104 is 20 ng/L, and is 95 ng/L for other surface waters. It should be noted that the U.S. Environmental Protection Agency (EPA) has recently (March, 2023) announced drinking water standards for 6 individual PFAS, which may affect the WDNR 140 groundwater standards in the future.

Laboratory Groundwater Results

The groundwater samples collected from Site monitoring wells MW-1 to MW-11 the tank sump, pond, and off-site monitoring wells MW-15 and MW-16 reported significant detections of PFHpA, PFHxA, PFBA, PFPeA, and 6:2 FTSA as well as other PFAS. The highest concentrations were detected within the groundwater samples collected from source area monitoring well MW-3, which reported PFHpA (1,870D ng/L), PFHxA (19,800D ng/L), PFBA (4,480D ng/L), PFPeA (28,200D ng/L), and 6:2 FTSA (552,000D ng/L). By comparison the detections of those compounds within off-site monitoring wells MW15 and MW-16 reported PFHpA (19.9 ng/L and 75.9 µg/L) PFHxA (99.7 ng/L and 294 ng/L), PFBA (51.5 ng/L and 121 ng/L), PFPeA (164 ng/L and 473 ng/L), and 6:2 FTSA (70.6 ng/L and 283 ng/L). ("D" indicates that the laboratory methods required the sample to be diluted.)

The groundwater samples collected from off-site locations MW-12, MW-13 and Site monitoring well MW-14 reported lesser concentrations of PFHpA (<1.5 ng/L to 4.84F ng/L), PFHxA (6.42F ng/L to 18.4 ng/L), PFBA (16.2 ng/L to 77.6 ng/L), PFPeA (8.07F ng/L to 27.2 ng/L), and 6:2 FTSA (<2.72 ng/L to 7.54F ng/L). At Site monitoring well MW-17, only PFBA (4.79F ng/L) was reported.

Regarding the deeper groundwater results, the groundwater samples collected from PZ-1 reported only 6:2 FTSA (5.24F ng/L) and the groundwater results from PZ -2 reported only PFOA at a concentration of 1.68F ng/L. "F" indicates that this constituent was identified above the laboratory limit of detection but below the laboratory limit of quantitation. The 6:2 FTSSA was also indicated to have been detected in the field reagent blank.

The results of the chemical analyses of the groundwater samples are summarized in Table A.1 in Appendix B. Laboratory analytical results and chain-of-custody forms are included in Appendix D.

It should be noted that the 3 laboratories generally detected the same compounds in the submitted samples. The comparison of the data from the 3 laboratories was generally consistent between the 3 labs with the following exceptions:

The groundwater samples collected from MW-3 and the pond that were tested by Pace did not correlate with the other two labs and may have been reported in error by either a labeling mistake by GEC or a lab error. The sample labels were checked, and the samples were re-run by the lab, but similar results were reported to the initial run. Therefore, GEC believes that the results at MW-3 and the pond provided by Pace are not accurate and should not be utilized in the assessment of this data.

The reporting results for 6:2 FTSA reported by Pace Analytical at MW-1, MW-2, MW-3, MW-5, and MW-8 to MW-ranged from 2x to 5x lower than those form the other labs.



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CONCLUSIONS

The soil samples collected from the most recent soil borings did not report detectable concentrations of PFAS. Based on the soil testing performed to date and detection of total PFAS in the soil samples collected at B-5 to B-12 ranging from 2.28 ng/g to 70.96 ng/g, it appears that the extent of unsaturated soil contamination has been defined and that the concentrations in the source area are well below the individual Industrial and non-Industrial direct contact standards for PFBS, PFOA, and PFOS. It should be noted that the WDNR has requested that a confirmation soil sample be collected in the vicinity of B-9 to confirm the presence of PFOS in a prior test at that location. According to the Site personnel, PFOS has never been utilized at this Site. Additionally, the level detected at B-9 is well below its current standards. It also appears unlikely that PFOS would be detected within soil at a location beyond the prior spill area but not in any of the source area test locations in closer proximity to the release (i.e., B-12) where higher concentrations of PFAS were detected.

Relatively high concentrations of PFAS (primarily PFHpA, PFHxA, PFBA, PFPeA, and 6:2 FTSA) have been detected within groundwater near the source area of the release at MW-1 to MW-11, the tank sump, and the pond. The highest concentrations have been detected at MW-3. The concentrations detected within off-site monitoring well MW-16, are also elevated with respect to the remaining outlying monitoring wells (MW-12, MW-13, MW-14, MW-15, and MW-17). Based on the soil and groundwater contaminant concentrations, it appears unlikely that all of the PFAS groundwater contamination identified at the testing points for this case are the result of the two spills at the Site. PFAS have been detected in off-site monitoring wells 700 feet to the north/northeast of the source area (MW-12 and MW-13), 700 feet west of the source area (MW-14), and 550 feet southeast of the source area (MW-15) which does not appear plausible considering the soil types (silty clay, clayey silt, and silty sand), and the operation of this facility for only 11 years with no known releases until 2019. It should be noted that the Site and surrounding properties were utilized as agricultural land from the 1930s until at least 2011 and that manure and/or bio-solids spreading likely occurred for several decades on the Site and off-site properties, which appeared evident in reviewed aerial photographs from the years 2010 and 2020. Bio-solids spreading has been linked with the spread of PFAS. Therefore, it is possible that the PFAS identified in shallow groundwater at the outlying wells is from a different source and is typical of background level in the area.

With regard to the groundwater results at PZ-1 and PZ-2, only low concentrations of PFAS were reported (6:2 FTSA (5.24F ng/L at PZ-1)) and PFOA (1.68F ng/L at PZ-2)). Based on the groundwater results at source area piezometer PZ-1 and off-site piezometer PZ-2, no additional piezometers are recommended at the present time, subject to the concurrence of the WDNR.

As indicated previously, PFAS-containing materials are no longer utilized within the testing building where the two petroleum/PFAS spills occurred. Since these materials are no longer being utilized, further degradation of the soil or groundwater appears unlikely. It is recommended that annual groundwater sampling be performed for a period of two years (2023 and 2024). If similar groundwater results are observed, it is recommended that Site Investigation Report and Closure Request be prepared.

GENERAL COMMENTS

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The investigative activities have been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations and opinions contained herein have been promulgated in accordance with generally accepted practice in similar fields. No other representations expressed or implied, and no warranty or guarantee is included or intended in this report.

The conclusions presented in this report were formulated from the data obtained during the course of exploratory work on the site, which may result in a redirection of conclusions and interpretations where new information is obtained. The regulatory climate and interpretation may also influence the outcome of the environmental investigation for this site. The information contained in this report may have an effect on the value of the property





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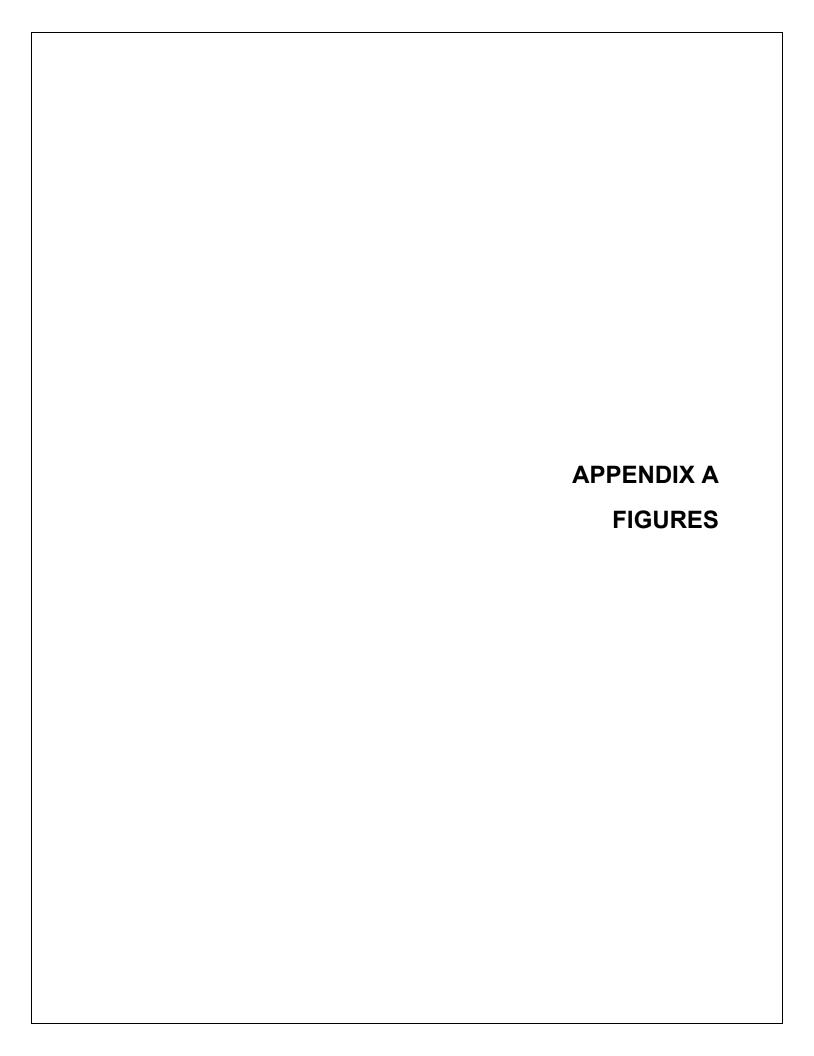
The Solberg Co – Site 2 Village of Howard, Wisconsin Page 12

and is considered confidential. Copies of this report will be submitted to others only with authorization from the client.



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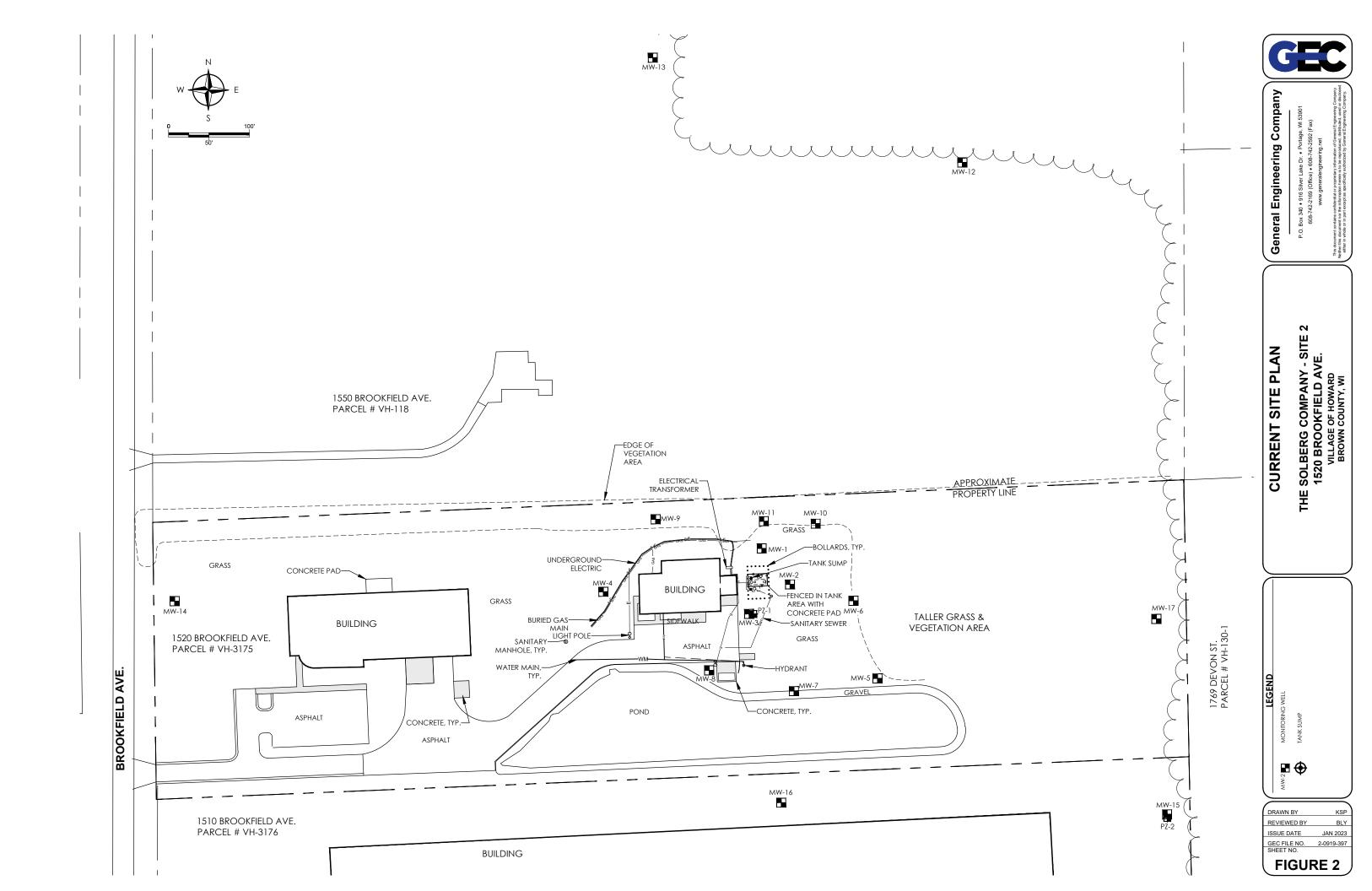
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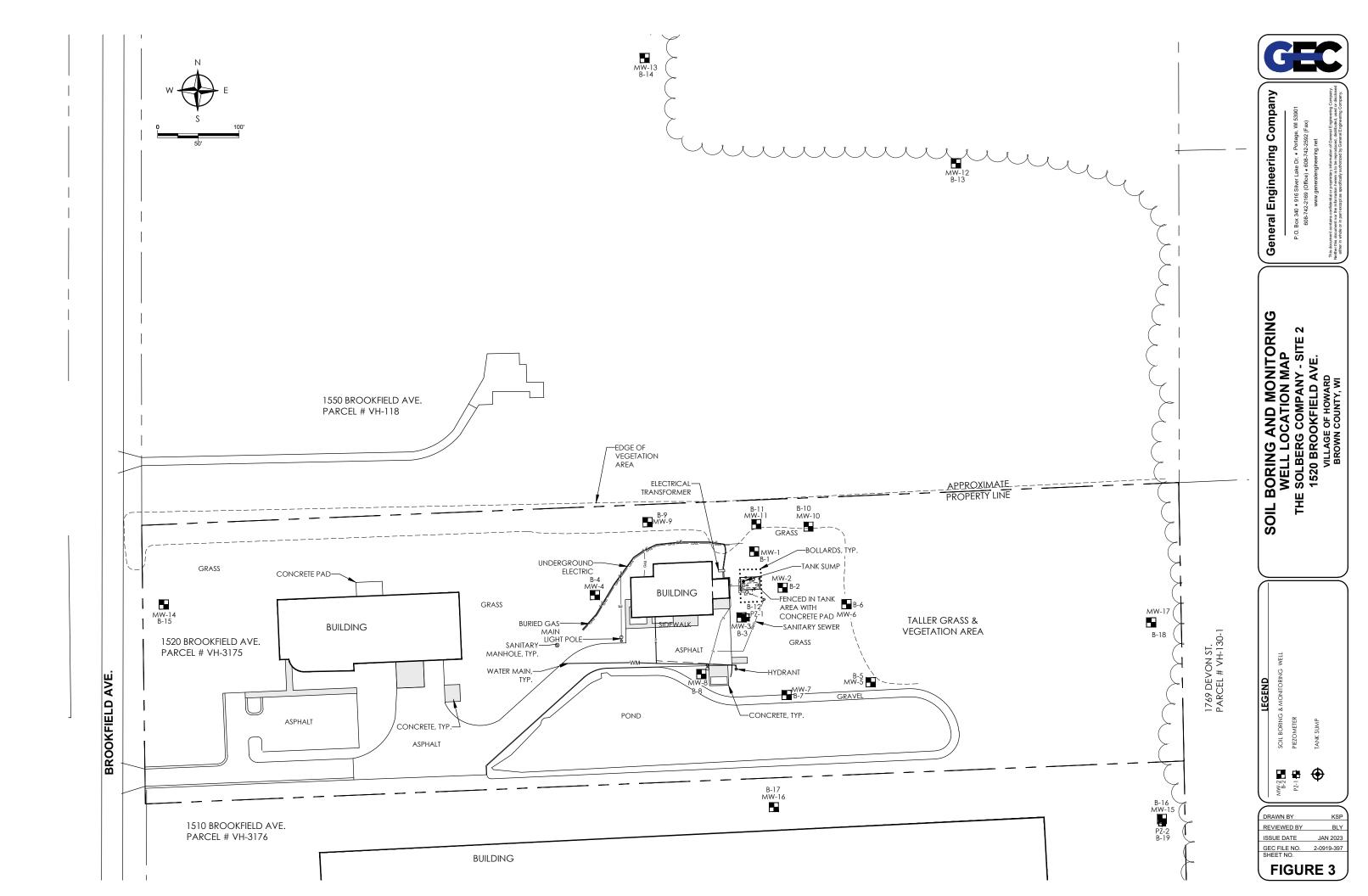
SITE LOCATION MAP

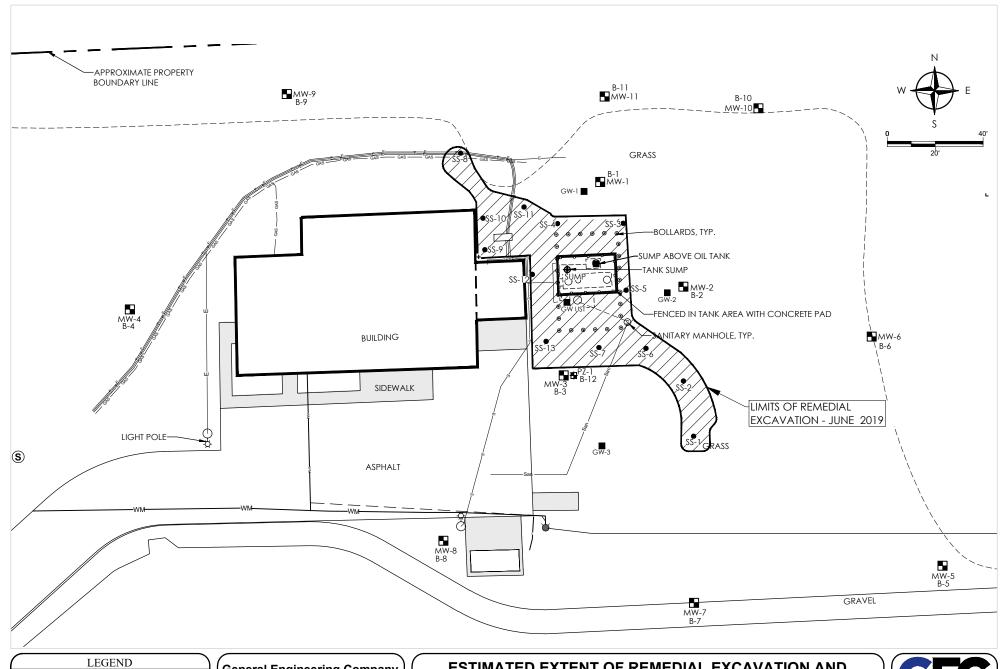
THE SOLBERG COMPANY - SITE 2 1520 BROOKFIELD AVE.

> VILLAGE OF HOWARD BROWN COUNTY, WI









SOIL BORING & MONITORING WELL PZ-1 PIEZOMETER TANK SUMP SS-8 CONFIRMATION SOIL SAMPLE - JUNE 2019 GW-3 TEST PIT GROUNDWATER SAMPLE LIMITS OF EXCAVATION - JUNE 2019

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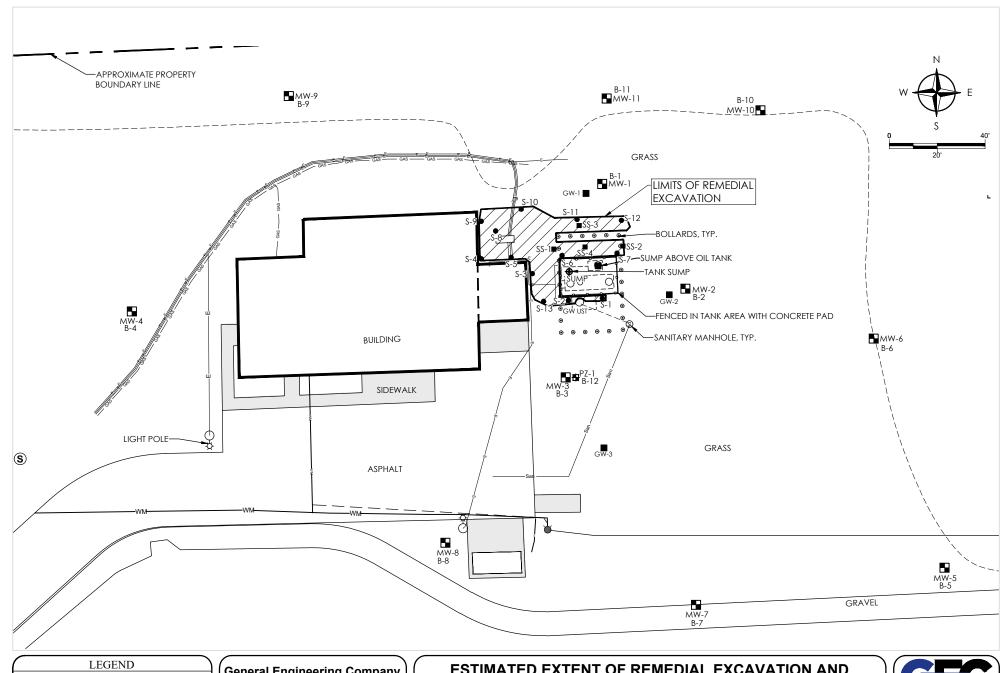
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ESTIMATED EXTENT OF REMEDIAL EXCAVATION AND CONFIRMATION SOIL SAMPLE LOCATION MAP - JUNE 2019

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> VILLAGE OF HOWARD BROWN COUNTY, WI





ΛW-2 B-2 SOIL BORING & MONITORING WELL PIEZOMETER PZ-1 TANK SUMP CONFIRMATION SOIL SAMPLE - MAY 2021 TEST PIT GROUNDWATER SAMPLE LIMITS OF EXCAVATION - MAY 2021

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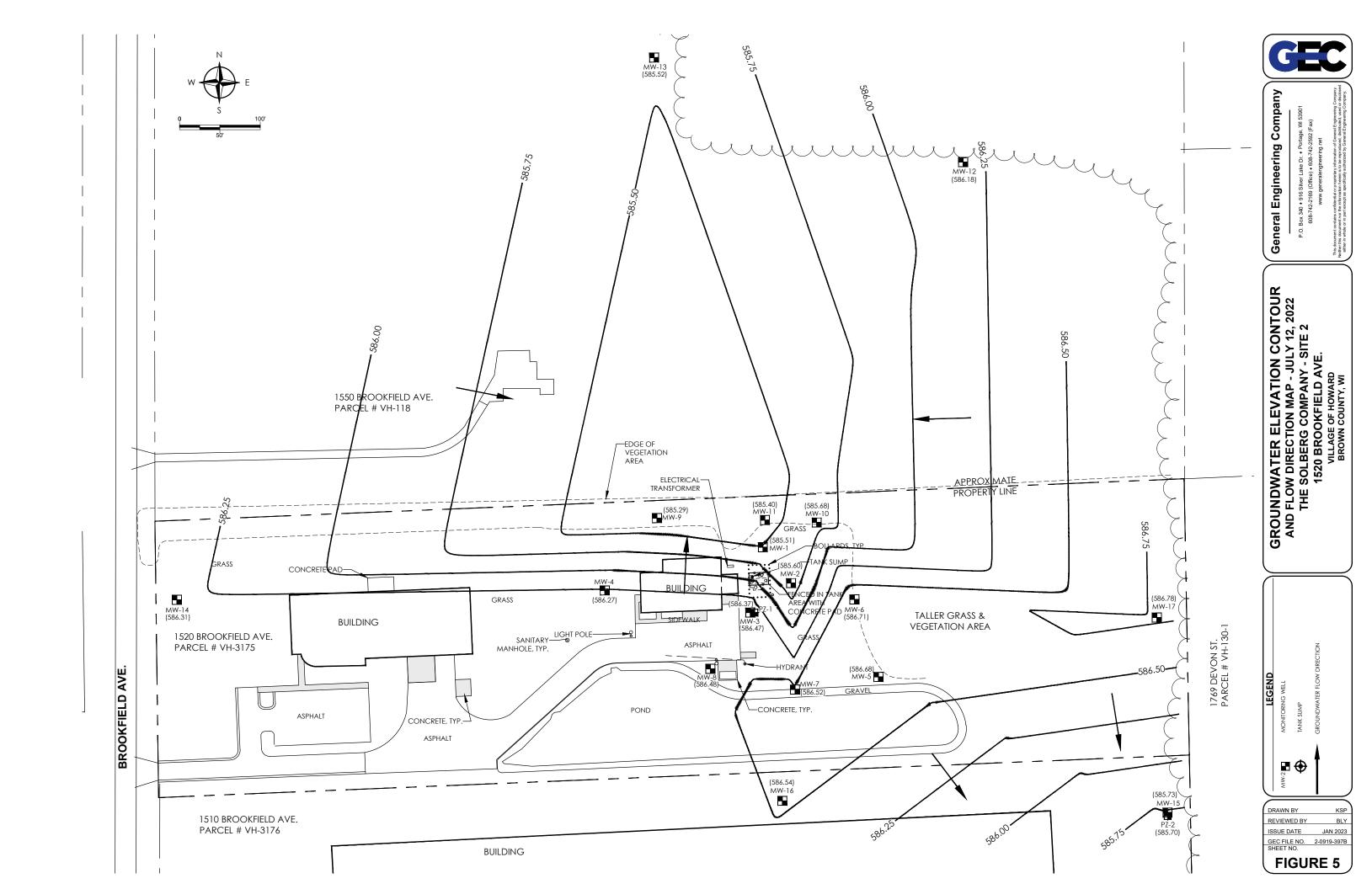
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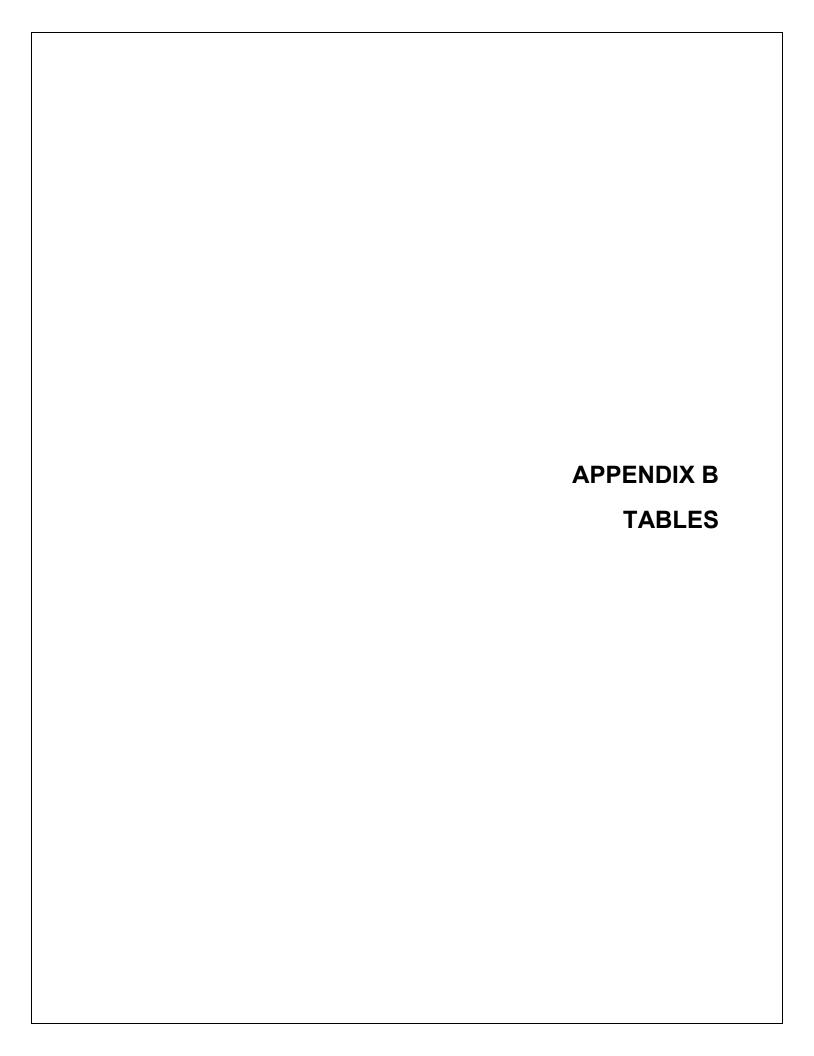
ESTIMATED EXTENT OF REMEDIAL EXCAVATION AND CONFIRMATION SOIL SAMPLE LOCATION MAP - MAY 2021

THE SOLBERG COMPANY - SITE 2 1520 BROOKFIELD AVE.

> VILLAGE OF HOWARD **BROWN COUNTY, WI**







| Boring | | | B-4 | B-5 | B-6 | B-7 | B-8 | B-9 | B-10 | B-11 | B-12 |
|----------------|------------|----------------------------------|-------------|----------------|-----------|-------------|-----------|------------|-----------|-------------|-------------|
| Depth | Industrial | Non-Industrial Direct Contact | 1-1.5 (U/S) | 0.5-1 (U) | 2.5-3 (S) | 0.5-1 (U/S) | 0.5-1 (U) | 0.25-1 (U) | 0.5-1 (U) | 0.5 - 1 (U) | 2-2.5 (U/S) |
| Sampling Date | RCL | RCL | 5/26/2021 | 5/25/2021 | 5/25/2021 | 5/25/2021 | 5/26/2021 | 5/26/2021 | 5/26/2021 | 5/26/2021 | 5/26/2021 |
| PERFLUOROALK | | | SUBSTANCES | (PFAS) (na/a U | NITS) | | | | | | |
| PFPeA | NE | NE | <0.366 | 1.13 | 0.312F | 3.82 | 6.53 | 3.29 | 2.66 | 15.2 | 1.96 |
| PFBS | 16,400,000 | 1,260,000 | <0.288 | <0.263 | <0.236 | <0.285 | <0.265 | <0.279 | <0.295 | < 0.363 | <0.299 |
| 4:2 FTSA | NE | NE | <0.266 | <0.243 | <0.217 | <0.263 | <0.244 | <0.257 | <0.273 | < 0.335 | <0.276 |
| PFHxA | NE | NE | < 0.363 | 1.15 | <0.296 | 2.28 | 3.3 | 3.8 | 3.29 | 9.19 | 3.97 |
| PFPeS | NE | NE | <0.311 | <0.284 | <0.254 | < 0.307 | <0.285 | <0.300 | <0.318 | <0.392 | <0.322 |
| PFHpA | NE | NE | <0.343 | 0.565F | <0.280 | 0.639F | 1.25 | 1.85 | 2.59 | 9.34 | 1.23 |
| HFPO-DA (GenX) | NE | NE | <0.267 | <0.244 | <0.218 | <0.264 | <0.245 | <0.258 | <0.274 | < 0.337 | <0.277 |
| PFHxS | NE | NE | <0.346 | < 0.316 | <0.282 | <0.341 | <0.318 | < 0.334 | < 0.354 | < 0.436 | < 0.359 |
| DONA | NE | NE | <0.320 | <0.293 | <0.262 | < 0.316 | <0.294 | < 0.310 | <0.328 | <0.404 | < 0.332 |
| 6:2 FTSA | NE | NE | < 0.336 | 0.543F | 0.766F | 2.01 | 33.8 | < 0.325 | 0.654F | 1.35 | 63.8 |
| PFOA | 16,400 | 1,260 | < 0.339 | <0.310 | <0.277 | < 0.335 | < 0.312 | <0.328 | <0.348 | <0.428 | < 0.352 |
| PFHpS | NE | NE | <0.368 | < 0.336 | <0.3 | < 0.363 | <0.338 | < 0.356 | < 0.377 | <0.464 | <0.382 |
| PFOS | 16,400 | 1,260 | < 0.363 | < 0.331 | <0.296 | <0.358 | < 0.333 | 0.446F | < 0.371 | < 0.457 | < 0.376 |
| PFNA | NE | NE | <0.308 | <0.281 | <0.251 | < 0.303 | <0.282 | <0.297 | < 0.315 | <0.388 | < 0.319 |
| 9CI-PF3ONS | NE | NE | <0.343 | <0.313 | <0.280 | <0.338 | <0.315 | < 0.331 | < 0.351 | <0.432 | < 0.355 |
| 8:2 FTSA | NE | NE | <0.421 | <0.385 | < 0.344 | <0.415 | <0.387 | < 0.407 | <0.431 | <0.530 | < 0.437 |
| PFDA | NE | NE | <0.346 | <0.316 | <0.282 | < 0.341 | <0.318 | < 0.334 | < 0.354 | <0.436 | < 0.359 |
| PFNS | NE | NE | <0.306 | <0.280 | <0.250 | < 0.302 | <0.281 | <0.296 | < 0.314 | <0.386 | <0.318 |
| N-MeFOSAA | NE | NE | <0.481 | <0.440 | < 0.393 | < 0.475 | <0.442 | < 0.466 | < 0.493 | <0.607 | < 0.499 |
| N-EtFOSAA | NE | NE | < 0.303 | <0.277 | <0.248 | <0.299 | <0.279 | <0.293 | < 0.311 | <0.382 | < 0.315 |
| FOSA | NE | NE | < 0.347 | < 0.317 | <0.283 | < 0.342 | <0.319 | < 0.335 | < 0.355 | <0.437 | < 0.360 |
| PFUnA | NE | NE | <0.289 | <0.264 | <0.236 | <0.286 | <0.266 | <0.280 | <0.297 | < 0.365 | < 0.300 |
| PFDS | NE | NE | <0.308 | <0.281 | <0.251 | < 0.303 | <0.282 | <0.297 | < 0.315 | <0.388 | < 0.319 |
| 11CI-PF3OUdS | NE | NE | <0.328 | <0.299 | <0.268 | < 0.323 | <0.301 | < 0.317 | < 0.336 | <0.413 | <0.340 |
| PFDoA | NE | NE | <0.405 | < 0.370 | < 0.331 | < 0.400 | < 0.372 | < 0.392 | < 0.415 | <0.510 | <0.420 |
| 10:2 FTSA | NE | NE | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| PFDoS | NE | NE | <0.387 | < 0.354 | < 0.316 | <0.382 | < 0.356 | < 0.374 | < 0.396 | <0.488 | <0.402 |
| PFTrDA | NE | NE | < 0.365 | < 0.333 | <0.298 | < 0.360 | < 0.335 | < 0.353 | < 0.374 | <0.460 | <0.378 |
| N-MeFOSA | NE | NE | <0.394 | < 0.360 | < 0.322 | <0.389 | < 0.362 | <0.382 | <0.404 | <0.497 | <0.409 |
| N-MeFOSE | NE | NE | <0.468 | <0.427 | <0.382 | <0.461 | <0.430 | < 0.452 | <0.479 | <0.589 | <0.485 |
| N-EtFOSA | NE | NE | <0.252 | <0.231 | <0.206 | <0.249 | <0.232 | <0.244 | <0.259 | <0.318 | <0.262 |
| N-EtFOSE | NE | NE | <0.378 | < 0.345 | <0.308 | < 0.372 | <0.347 | < 0.365 | <0.387 | <0.476 | <0.392 |
| PFTeDA | NE | NE | <0.367 | < 0.335 | <0.300 | <0.362 | < 0.337 | < 0.355 | <0.376 | <0.476 | <0.381 |
| PFHxDA | NE | NE | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| PFODA | NE | NE | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| PFBA | NE NE | NE | <0.616 | <0.563 | <0.503 | <0.608 | 0.929F | <0.596 | <0.631 | 3.30F | <0.639 |

NE - Standard Not Established NR-Not Reported

ng/g - parts per billion U=Unsaturated S=Saturated

< = compound below laboratory detection limit

Bold indicates laboratory detections

F=Result Is Between Limit of Detection and Limit of Quantitation

| Boring | | | B-13 | B-14 | B-17 | B-18 | B-19 |
|----------------|-------------|----------------------------------|-----------|----------------|-----------|-----------|-----------|
| Depth (Feet) | Industrial | Non-Industrial Direct Contact | 1 (U) | 0.5 (U) | 1 (U) | 0.5 (U) | 0.5 (U) |
| Sampling Date | RCL | RCL | 7/11/2022 | 7/11/2022 | 7/11/2022 | 7/11/2022 | 7/11/2022 |
| PERFLUOROALK | YL & POLYFL | UOROALKYL S | UBSTANCES | (PFAS) (ng/g L | INITS) | | |
| PFPeA | NE | NE | <0.368 | <0.405 | < 0.325 | <0.402 | <0.361 |
| PFBS | 16,400,000 | 1,260,000 | <0.290 | < 0.319 | <0.256 | < 0.317 | <0.285 |
| 4:2 FTSA | NE | NE | <0.268 | <0.294 | <0.236 | <0.292 | < 0.263 |
| PFHxA | NE | NE | < 0.365 | <0.401 | < 0.322 | <0.398 | <0.358 |
| PFPeS | NE | NE | <0.313 | <0.344 | <0.276 | <0.341 | < 0.307 |
| PFHpA | NE | NE | <0.345 | < 0.379 | <0.304 | < 0.376 | <0.338 |
| HFPO-DA (GenX) | NE | NE | <0.269 | <0.295 | <0.237 | <0.294 | <0.264 |
| PFHxS | NE | NE | <0.348 | <0.382 | < 0.307 | <0.380 | <0.341 |
| DONA | NE | NE | <0.322 | < 0.354 | <0.284 | < 0.352 | <0.316 |
| 6:2 FTSA | NE | NE | <0.338 | < 0.372 | <0.298 | < 0.369 | < 0.332 |
| PFOA | 16,400 | 1,260 | <0.341 | < 0.375 | <0.301 | < 0.373 | < 0.335 |
| PFHpS | NE | NE | < 0.370 | <0.407 | < 0.327 | <0.404 | < 0.363 |
| PFOS | 16,400 | 1,260 | < 0.365 | <0.401 | < 0.322 | <0.398 | <0.358 |
| PFNA | NE | NE | <0.309 | <0.340 | <0.273 | <0.338 | <0.304 |
| 9CI-PF3ONS | NE | NE | <0.345 | < 0.379 | < 0.304 | < 0.376 | <0.338 |
| 8:2 FTSA | NE | NE | <0.424 | <0.466 | < 0.374 | <0.463 | <0.416 |
| PFDA | NE | NE | <0.348 | <0.382 | < 0.307 | <0.380 | <0.341 |
| PFNS | NE | NE | <0.308 | < 0.339 | <0.272 | < 0.337 | < 0.303 |
| N-MeFOSAA | NE | NE | <0.484 | <0.532 | <0.427 | <0.529 | <0.475 |
| N-EtFOSAA | NE | NE | <0.305 | < 0.335 | <0.269 | < 0.333 | <0.299 |
| FOSA | NE | NE | <0.349 | <0.383 | <0.308 | <0.381 | < 0.342 |
| PFUnA | NE | NE | <0.291 | < 0.320 | <0.257 | <0.318 | <0.286 |
| PFDS | NE | NE | <0.309 | <0.340 | <0.273 | <0.338 | <0.304 |
| 11CI-PF3OUdS | NE | NE | <0.330 | < 0.362 | <0.291 | < 0.360 | < 0.323 |
| PFDoA | NE | NE | <0.408 | <0.448 | < 0.360 | <0.445 | <0.400 |
| 10:2 FTSA | NE | NE | NR | NR | NR | NR | NR |
| PFDoS | NE | NE | <0.390 | <0.428 | <0.344 | <0.425 | <0.382 |
| PFTrDA | NE | NE | <0.367 | <0.403 | <0.324 | <0.401 | < 0.360 |
| N-MeFOSA | NE | NE | <0.397 | < 0.436 | < 0.350 | <0.433 | <0.389 |
| N-MeFOSE | NE | NE | <0.471 | <0.517 | <0.415 | <0.514 | <0.462 |
| N-EtFOSA | NE | NE | <0.254 | <0.279 | <0.224 | <0.277 | <0.249 |
| N-EtFOSE | NE | NE | <0.380 | <0.417 | < 0.335 | <0.415 | < 0.373 |
| PFTeDA | NE | NE | < 0.369 | <0.406 | <0.326 | <0.403 | <0.362 |
| PFHxDA | NE | NE | NR | NR | NR | NR | NR |
| PFODA | NE | NE | NR | NR | NR | NR | NR |
| PFBA | NE | NE | <0.620 | <0.681 | <0.547 | <0.677 | <0.608 |

NE - Standard Not Established NR-Not Reported

ng/g - parts per billion U=Unsaturated S=Saturated

< = compound below laboratory detection limit

Bold indicates laboratory detections

| Monitoring Well | | | • | MW-1 | | · | |
|------------------|----------------------|-----------------------|-----------|----------|------------|----------|-----------|
| Lab | | State Lab of Hygiene | | Pace A | Analytical | S | GS |
| Sampling Date | 10/12/2020 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & | POLYFLUOROALKYL SUBS | STANCES (PFAS) (ng/L) | | | | | |
| PFOA | 11.1 | 15.9 | 11.9 | <79 | 9.5 | 17.9J | 11J |
| PFOS | <3.36 | 2.11F | <1.43 | <190 | 1J | <6.06 | <2.96 |
| PFBS | 22.8 | 18.5 | 10.4 | <40 | 13 | 15.8J | 11.2J |
| PFHpA | 800 | 934 | 558 | 1,000 | 460D | 701 | 527 |
| PFHxS | <4.06 | <1.02 | <1.42 | <53 | 1.2J | <6.06 | <2.96 |
| PFNA | <4.27 | 1.97F | <1.48 | <44 | 2J | <6.06 | <2.96 |
| PFDA | <3.89 | <1.65 | 3.15F | <50 | 0.85J | <6.06 | <2.96 |
| PFDoA | <3.8 | <2.81 | <2.71 | <45 | <0.48 | <6.06 | <2.37 |
| PFHxA | 38,800 | 4,770 | 4,320D | 6,100 | 3,100D | 3,600 | 3,300 |
| PFTeDA | <3.51 | <5.43 | <1.75 | <57 | <0.47 | <6.06 | <2.96 |
| PFTrDA | <3.97 | <2.69 | <1.93 | <50 | <0.62 | <6.06 | <2.96 |
| PFUnA | <4.03 | <2.07 | <2.22 | <380 | <0.54 | <6.06 | <2.96 |
| N-EtFOSA | <6.52 | <3.46 | <6.94 | <130 | <0.61 | <15.1 | <8.28 |
| I-EtFOSAA | <4.24 | <3.25 | <2.12 | <72 | < 0.55 | <6.06 | <2.96 |
| I-MeFOSAA | <5.31 | <2.15 | <2.19 | <89 | <0.43 | <6.06 | <2.96 |
| PFBA | NR | 924 | 706 | 1,300 | 760D | 830 | 915 |
| PFPeA | 50,400 | 6,300 | 5,550D | 8,600 | 4,400D | 4,940 | 4,930 |
| PFPeS | <2.68 | < 0.926 | <1.36 | <57 | <0.47 | <6.09 | <2.97 |
| PFHpS | 5.10F | <1.23 | <1.90 | <48 | <0.41 | <6.06 | <2.96 |
| PFNS | <4.95 | <2.09 | <1.82 | <68 | <0.44 | <6.06 | <2.96 |
| PFDS | <4.51 | <2.17 | <2.57 | <74 | <0.45 | <6.06 | <2.96 |
| PFDoS | <5.12 | <9.83 | <2.47 | <100 | <0.46 | <6.06 | <2.96 |
| OSA | <40.3 | <9.58 | <1.55 | <58 | <0.81 | <6.06 | <2.96 |
| I-MeFOSA | <7.96 | <5.10 | <10 | <120 | <0.51 | <6.97 | <2.96 |
| I-MeFOSE | <4.01 | <4.74 | <2.81 | <120 | < 0.33 | <60.6 | <29.6 |
| I-EtFOSE | <4.09 | <5.37 | <2.12 | <91 | <0.5 | <45.3 | <29.6 |
| :2 FTSA | 14 | 17.1 | 11.9 | <83 | 12 | <24.2 | <11.8 |
| :2 FTSA | 154,000 | 35,900 | 21,600D | 35,000 | 3,700D | 25,200 | 16,800D |
| :2 FTSA | 7.44F | 4.95F | 9.19F | <150 | 11 | <24.2 | 11.2J |
| 0:2 FTSA | <4.29 | NR | NR | NR | NR | NR | NR |
| ONA | <4.16 | <1.12 | <1.28 | <46 | <0.51 | <24.2 | <11.8 |
| GenX (HPFO-DA) | <5.22 | <1.61 | <1.92 | <200 | < 0.53 | <23 | <11.8 |
| CI-PF3ONS | <4.15 | <1.58 | <1.82 | <46 | <0.3 | <24.3 | <11.9 |
| 1CI-PF3OUdS | <3.90 | <1.55 | <1.49 | <63 | < 0.43 | <24.3 | <11.8 |

10/12/20 It should be noted the samples were shipped and received next day but analyzed past 30 days holding time

ng/L = nanograms per liter (parts per trillion) < = compound below laboratory detection limit

D= Sample Dilution

Bold indicates laboratory detections B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

NR = Not reported. 10/12/20 The lab reported the PFBA results were suspect due to a large interference peak that elutes at the same time. As a result, PFBA has been removed from their list since they cannot stand behind the results. New run methods will be put in place to be able to report the PFBA more accurately in the future.

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)
PFBS (375-73-5) Perfluorocbutanesulfonic Acid (C4)
PFHpA = (375-85-9) Perfluorobeptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononancia Acid (C9)
PFDA (335-76-2) Perfluorodecanoic Acid (C10)
PFDoA (307-55-1) Perfluorodecanoic Acid (C12)
PFHxA (307-24-4) Perfluorodexanoic Acid (C6)

PFDa (307-55-1) Perfluorodotecanoic Acid (C12)
PFHx8 (307-24-4) Perfluorothexanoic Acid (C6)
PFTeDa (376-66-7) Perfluorothexanoic Acid (C14)
PFTTDA (72629-94-8) Perfluorothexanoic Acid (C14)
PFTDA (72629-94-8) Perfluorothexanoic Acid (C13)
PFUnA (2085-94-8) Perfluorothecanoic Acid (C11)
N-EIFOSAA (2991-95-6) N-ethylperfluorocotanesulfonamidoacetic Acid (C12)
N-MeFOSAA (2951-95-6) N-ethylperfluorocotanesulfonamidoacetic Acid (C12)
PFBA (375-92-4) Perfluorotheranoic Acid (C3)
PFPBS (375-92-8) Perfluorotheranoic Acid (C5)
PFPBS (375-92-8) Perfluorotheranoic Acid (C7)
PFPS (3629-92-12) Perfluoronanesulfonic Acid (C7)
PFDS (375-92-8) Perfluorotheranesulfonic Acid (C10)
PFDS (375-92-8) Perfluorodecanesulfonic Acid (C10)
PFDS (375-93-9-7) Perfluorodecanesulfonic Acid (C10)
PFDS (375-93-9-7) Perfluorodecanesulfonic Acid (C12)
FOSA (754-91-8) Perfluorocdanesulfonamide (C10)
N-EIFOSE (4151-50-2) N-ethylperfluorocotanesulfonamide (C10)
N-MeFOSA (5156-93-2) N-ethylperfluorocotanesulfonamide (C10)
N-MeFOSE (24448-95-7) N-methylperfluorocatanesulfonamide (C10)
N-EIFOSE (1961-99-2) N-ethylperfluorocotanesulfonamide (C10)
N-EIFOSE (3619-99-2) Perfluorodecimer sulfonate (C8)
2-FTSA (27519-47-2) 2-2 fluorotelomer sulfonate (C8)
2-FTSA (27519-47-2) 2-2 fluorotelomer sulfonate (C1)
10-2-FTSA (1902-66-00) 10-2 fluorotelomer sulfonate (C12)
CDONA (919005-14-4) 4-8 fluorotelomer sulfonate (C10)
10-2-FTSA (1902-66-00) 10-2 fluorotelomer sulfonate (C10)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)
9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)
11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3-oxanudecane-1-sulfonic acid (C10)

| Monitoring Well | | | MW | 1-2 | | |
|----------------------|-------------------------|---------------|----------|-----------|----------|-----------|
| Lab | State Lab | of Hygiene | Pace An | alytical | S | GS |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 10.9 | 10.3 | <37 | 12 | 6.85J | 9.85J |
| PFOS | <1.23 | <1.43 | <89 | 0.73J | 14.3B | <2.94 |
| PFBS | 23.6 | 15.7 | 23J | 15 | 23.2 | 15.9 |
| PFHpA | 793 | 834 | 1,100 | 610D | 1,000 | 665 |
| PFHxS | 1.59F | <1.42 | <25 | 1.5J | <3.10 | <2.94 |
| PFNA | <1.47 | <1.48 | <21 | 1.2J | <3.10 | <2.94 |
| PFDA | <1.42 | <1.63 | <23 | <0.56 | <3.10 | <2.94 |
| PFDoA | <2.42 | <2.71 | <21 | <0.48 | <3.10 | <2.36 |
| PFHxA | 3,820 | 3,050D | 5,200 | 3,300D | 4,740 | 3,740 |
| PFTeDA | <4.67 | <1.75 | <27 | <0.47 | <3.10 | <2.94 |
| PFTrDA | <2.32 | <1.93 | <24 | <0.62 | <3.10 | <2.94 |
| PFUnA | <1.78 | <2.22 | <28 | <0.53 | <3.10 | <2.94 |
| N-EtFOSA | <2.97 | <6.94 | <60 | <0.6 | <7.74 | <8.24 |
| N-EtFOSAA | <2.80 | <2.12 | <33 | <0.55 | <3.10 | <2.94 |
| N-MeFOSAA | <1.84 | <2.19 | <42 | <0.43 | <3.10 | <2.94 |
| PFBA | 838 | 873 | 1,100 | 710D | 959 | 966 |
| PFPeA | 5,610 | 4,290D | 8,000 | 4,600D | 6,790 | 5,830 |
| PFPeS | <0.796 | <1.36 | <27 | <0.47 | <3.11 | <2.96 |
| PFHpS | <1.05 | <1.90 | <22 | <0.41 | <3.10 | <2.94 |
| PFNS | <1.80 | <1.82 | <32 | <0.44 | <3.10 | <2.94 |
| PFDS | <1.86 | <2.57 | <35 | <0.45 | <3.10 | <2.94 |
| PFDoS | <8.45 | <2.47 | <47 | <0.46 | <3.10 | <2.94 |
| FOSA | <8.24 | <1.55 | <27 | <0.81 | 4.81J, B | <2.94 |
| N-MeFOSA | <4.39 | <10 | <56 | <0.51 | <3.56 | <2.94 |
| N-MeFOSE | <4.08 | <2.81 | <57 | <0.33 | <31 | <29.4 |
| N-EtFOSE | <4.62 | <2.12 | <43 | <0.49 | <23.2 | <29.4 |
| 4:2 FTSA | 14.8 | 12.7 | <39 | 12 | 12.7J | 15.8 |
| 6:2 FTSA | 12,900 | 16,000D | 16,000 | 3,300D | 11,800 | 14,700D |
| 8:2 FTSA | <1.25 | <2.62 | <72 | 3.4 | <12.4 | <10 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.960 | <1.28 | <22 | <0.51 | <12.4 | <11.8 |
| GenX (HPFO-DA) | <1.38 | <1.92 | <93 | <0.52 | <11.8 | <11.8 |
| 9CI-PF3ONS | <1.36 | <1.82 | <22 | <0.3 | <12.4 | <11.8 |
| 11CI-PF3OUdS | <1.34 | <1.49 | <30 | <0.43 | <12.4 | <11.8 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=analyte detected in the field blank D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)
N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | | MW-3 | | | |
|-----------------|------------------------|-----------------------|-----------|----------|-----------|----------|-----------|
| Lab | | State Lab of Hygiene | | Pace Ar | nalytical | SO | GS |
| Sampling Date | 10/12/2020 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| ERFLUOROALKYL | & POLYFLUOROALKYL SUBS | STANCES (PFAS) (ng/L) | | | | | |
| FOA | 133 | 79.9 | 143 | <1,500 | 1.9J | 28.2 | <130 |
| PFOS | <3.36 | <1.38 | <1.43 | <3,700 | 1.7J | <6.35 | <130 |
| PFBS | 11.6 | 12.6 | 12.5 | <760 | 14 | 16.4J | <130 |
| PFHpA | <4660 | 926 | 1,870D | 1,200J | 110 | 618 | 2,370D |
| FHxS | <4.05 | <0.982 | 2.5F | <1,000 | <0.51 | <6.35 | <130 |
| FNA | <4.27 | <1.64 | <1.48 | <840 | 0.87J | <6.35 | <130 |
| FDA | <3.89 | <1.59 | <1.63 | <960 | <0.56 | <6.35 | <130 |
| FDoA | <3.80 | <2.70 | <2.71 | <860 | <0.48 | <6.35 | <104 |
| PFHxA | 43,900 | 13,300 | 19,800D | 13,000 | 360D | 6,860 | 28,100D |
| FTeDA | <3.51 | <5.22 | <1.75 | <1,100 | <0.47 | <6.35 | <130 |
| FTrDA | <3.97 | <2.59 | <1.93 | <970 | <0.62 | <6.35 | <130 |
| FUnA | <4.03 | <1.99 | <2.22 | <1,100 | <0.54 | <6.35 | <130 |
| I-EtFOSA | <6.51 | <3.32 | <6.94 | <2,500 | <0.61 | <15.9 | <363 |
| I-EtFOSAA | <4.24 | <3.13 | <2.12 | <1,400 | <0.55 | <6.35 | <130 |
| I-MeFOSAA | <5.31 | <2.06 | <2.19 | <1,700 | < 0.43 | <6.35 | <130 |
| FBA | <19600 | 2,590 | 4,480D | 3,300J | 110 | 1,900 | 7,420D |
| PFPeA | 48,000 | 19,700 | 28,200D | 20,000 | 520D | 10,600 | 41,200D |
| FPeS | 6.9 | <0.890 | <1.36 | <1,100 | <0.47 | <6.38 | <130 |
| PFHpS | 33.8 | <1.18 | <1.90 | <910 | <0.41 | <6.35 | <130 |
| FNS | <4.95 | <2.01 | <1.82 | <1,300 | <0.44 | <6.35 | <130 |
| FDS | <4.51 | <2.08 | <2.57 | <1,400 | < 0.45 | <6.35 | <130 |
| FDoS | <5.12 | <9.45 | <2.47 | <1,900 | <0.46 | <6.35 | <130 |
| OSA | <40.3 | <9.21 | <1.55 | <1,100 | <0.82 | <6.35 | <130 |
| I-MeFOSA | <7.95 | <4.90 | <10 | <2,300 | <0.51 | <7.30 | <130 |
| I-MeFOSE | <4.01 | <4.56 | <2.81 | <2,300 | <0.33 | <63.5 | <1300 |
| I-EtFOSE | <4.08 | <5.17 | <2.12 | <1,700 | <0.5 | <47.5 | <1300 |
| :2 FTSA | 292 | 79.2 | 125 | <1,600 | <0.56 | 44.6J | <519 |
| :2 FTSA | 1,320,000 | 3000* | 552,000D | 460,000 | 530D | 243,000 | 586,000D |
| :2 FTSA | <4.42 | <1.4 | <2.62 | <2,900 | <0.65 | <25.4 | <441 |
| 0:2 FTSA | <4.29 | NR | NR | NR | NR | NR | NR |
| ONA | <4.16 | <1.07 | <1.28 | <880 | <0.51 | <25.4 | <519 |
| GenX (HPFO-DA) | <5.22 | <1.55 | <1.92 | <3,800 | <0.53 | <24.1 | <519 |
| CI-PF3ONS | <4.15 | <1.52 | <1.82 | <880 | <0.3 | <25.5 | <520 |
| 1CI-PF3OUdS | <3.90 | <1.49 | <1.49 | <1,200 | < 0.43 | <25.4 | <520 |

10/12/20 It should be noted the samples were shipped and received next day but analyzed past 30 days holding time

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

D=Sample Dilution

Bold indicates laboratory detections B=Analyte detected in the field blank *= QC Limit Failed

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

NR = Not reported. 10/12/20 The lab reported the PFBA results were suspect due to a large interference peak that elutes at the same time. As a result, PFBA has been removed from their list since they cannot stand behind the results. New run methods will be put in place to be able to report the PFBA more accurately in the future.

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOA (355-67-1) Perfluoroctanoic Acid (C8)
PFBS (375-73-5) Perfluoroctanesulfonic Acid (C8)
PFBS (375-73-5) Perfluoroctanesulfonic Acid (C4)
PFHDA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHS = (375-86-4) Perfluoroheptanoic Acid (C8)
PFNA (375-95-1) Perfluorodecanoic Acid (C9)
PFDA (337-56-1) Perfluorodecanoic Acid (C10)
PFDA (307-56-1) Perfluorodecanoic Acid (C112)
PFHA (307-24-4) Perfluoroheptanoic Acid (C6)
PFEPA (376-67) Perfluorofecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)
PFHA3 (307-244) Perfluorohexanoic Acid (C6)
PFTEDA (376-06-7) Perfluorotetradecanoic Acid (C14)
PFTDA (726-29-48) Perfluorotetradecanoic Acid (C14)
PFTDA (726-99-48) Perfluorondecanoic Acid (C11)
PFUnA (2058-94-8) Perfluorondecanoic Acid (C11)
N-EIFCSAA (2991-50-6) N-ethylperfluorocanessulfonamidoacetic Acid (C12)
N-MeFCSAA (2355-31-9) N-erthylperfluorocanessulfonamidoacetic Acid (C11)
PFBA (375-22-4) Perfluoropentanoic Acid (C4)
PFPBA (2706-90-4) Perfluoropentanoic Acid (C5)
PFHSB (375-92-8) Perfluoroheptanesulfonic Acid (C7)
PFPSS (375-92-8) Perfluoroheptanesulfonic Acid (C7)
PFNS (88259-12-1) Perfluorodecanesulfonic Acid (C10)
PFDS (375-92-8) Perfluorodecanesulfonic Acid (C10)
PFDS (375-92-8) Perfluorodecanesulfonic Acid (C12)
FCSA (754-91-6) Perfluorocotanesulfonic Acid (C12)
FCSA (754-91-6) Perfluorocotanesulfonamide (C10)
N-EIFCSA (4151-50-2) N-ethylperfluorocctanesulfonamide (C10)
N-EIFCSE (1691-99-2) N-ethylperfluorocctanesulfonamidechanol (C11)
N-EIFCSE (1691-99-2) N-ethylperfluorocctanesulfonamidechanol (C12)
4.2 FTSA (7571-472-4) A 2 (Inorotelomer sulfonamidechanol (C12)
4.2 FTSA (7571-472-4) 2-1 (Inorotelomer sulfonamidechanol (C12)
4.2 FTSA (7571-472-4) 2-1 (Inorotelomer sulfonamidechanol (C8)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10) 10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (191905-14-4) 4.B-Diosa-3H-perfluorononanoic acid (C7)
GenX (13252-13-6) Hexaffluoropropylene oxide dimer acid (C6)
9CLPS 20NS (76842-58-1) 9-clorohexadecaffluoro-3-oxaneonane-1-sulfonic acid (C1)
11CLPF30UdS (763051-92-9) 11-chloroelicosaffluoro-3-oxaneonane-1-sulfonic acid (C10)

| Monitoring Well | | | MV | N-4 | | |
|------------------------|------------------------|---------------|----------|-----------|-----------|-----------|
| Lab | State Lab | of Hygiene | Pace A | nalytical | S | S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POLYI | FLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 2.78F | 1.23F | 2.9J | 5 | 2.73 | 3.54 |
| PFOS | <1.18 | <1.43 | <1.8 | 0.74J | 0.753J, B | 0.519J |
| PFBS | 549 | 580 | 600 | 170 | 580 | 262 |
| PFHpA | 19.2 | 50.5 | 20 | 14 | 22 | 16.3 |
| PFHxS | <0.837 | <1.42 | <0.51 | 2 | < 0.369 | 1.2J |
| PFNA | <1.40 | <1.48 | 0.46J | <0.72 | 0.539J | <0.372 |
| PFDA | <1.35 | <1.63 | <0.48 | <0.55 | < 0.369 | <0.372 |
| PFDoA | <2.31 | <2.71 | <0.43 | <0.47 | < 0.369 | <0.297 |
| PFHxA | 58 | 118 | 60 | 51 | 49.7 | 55.3 |
| PFTeDA | <4.45 | <1.75 | <0.55 | <0.47 | < 0.369 | <0.372 |
| PFTrDA | <2.21 | <1.93 | <0.48 | <0.61 | < 0.369 | <0.372 |
| PFUnA | <1.70 | <2.22 | <0.57 | <0.33 | < 0.369 | <0.372 |
| N-EtFOSA | <2.83 | <6.94 | <1.2 | <0.59 | <0.922 | <1.04 |
| N-EtFOSAA | <2.66 | <2.12 | < 0.69 | <0.54 | < 0.369 | <0.372 |
| N-MeFOSAA | <1.76 | <2.19 | <0.85 | <0.42 | < 0.369 | <0.372 |
| PFBA | 54.5F | 101 | 74 | 51 | 65.3 | 62.8 |
| PFPeA | 118 | 250 | 140 | 100 | 120 | 131 |
| PFPeS | <0.759 | <1.36 | <0.54 | <0.46 | <0.370 | <0.374 |
| PFHpS | <1 | <1.90 | <0.46 | <0.4 | < 0.369 | <0.372 |
| PFNS | <1.71 | <1.82 | <0.65 | <0.44 | < 0.369 | <0.372 |
| PFDS | <1.78 | <2.57 | <0.71 | <0.44 | < 0.369 | <0.372 |
| PFDoS | <8.06 | <2.47 | <0.96 | <0.45 | < 0.369 | <0.372 |
| FOSA | <7.85 | <1.55 | <0.56 | <0.8 | < 0.369 | < 0.372 |
| N-MeFOSA | <4.18 | <10 | <1.2 | <0.5 | <0.424 | <0.372 |
| N-MeFOSE | <3.88 | <2.81 | <1.2 | <0.32 | <3.69 | <3.72 |
| N-EtFOSE | <4.4 | <2.12 | <0.87 | <0.49 | <2.76 | <3.72 |
| 4:2 FTSA | 3.17F | <1.90 | 3.6J | 1.6J | 2.41J | <1.49 |
| 6:2 FTSA | 63.5 | 522 | 42 | 79 | 49.1B | 104 |
| 8:2 FTSA | <1.19 | <2.62 | <1.5 | <0.64 | <1.47 | <1.26 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.915 | <1.28 | <0.44 | <0.5 | <1.47 | <1.49 |
| GenX (HPFO-DA) | <1.32 | <1.92 | <1.9 | <0.52 | <1.40 | <1.49 |
| 9CI-PF3ONS | <1.29 | <1.82 | <0.44 | <0.3 | <1.48 | <1.49 |
| 11CI-PF3OUdS | <1.27 | <1.49 | <0.61 | <0.43 | <1.48 | <1.49 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)
N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | MW | -5 | | |
|----------------------|-------------------------|-----------------|----------|-----------|----------|-----------|
| Lab | State Lal | b of Hygiene | Pace An | alytical | S | 3S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | S (PFAS) (ng/L) | | | | |
| PFOA | 2.44F | 5.98F | 11J | 7.1J,D | 8.55J | 6.19J |
| PFOS | <1.32 | <1.43 | <18 | <5.4D | 122B | <3 |
| PFBS | 4.76F | 14.1 | 12J | 30D | 12.6J | 13.9 |
| PFHpA | 216 | 644 | 490 | 410D | 463 | 401 |
| PFHxS | <0.942 | <1.42 | <5 | <5D | 3.81 J,B | <3.02 |
| PFNA | <1.58 | <1.48 | <4.2 | <7.3D | <3.18 | <3 |
| PFDA | <1.52 | <1.63 | <4.7 | <5.6D | <3.18 | <3 |
| PFDoA | <2.59 | <2.71 | <4.3 | <4.8D | <3.18 | <2.4 |
| PFHxA | 734 | 1,580D | 1,600 | 1,300D | 1,470 | 1,550 |
| PFTeDA | <5.01 | <1.75 | <5.4 | <4.7D | <3.18 | <3 |
| PFTrDA | <2.48 | <1.93 | <4.8 | <6.2D | <3.18 | <3 |
| PFUnA | <1.91 | <2.22 | <5.7 | <5.4D | <3.18 | <3 |
| N-EtFOSA | <3.19 | <6.94 | <12 | 36D | <7.95 | <8.41 |
| N-EtFOSAA | <3 | <2.12 | <6.8 | <5.5D | <3.18 | <3 |
| N-MeFOSAA | <1.98 | <2.19 | <8.4 | <4.3D | <3.18 | <3 |
| PFBA | 108 | 403 | 310 | 360D | 324 | 389 |
| PFPeA | 1,280 | 2,410D | 2,500 | 1,900D | 2,460 | 2,750 |
| PFPeS | < 0.854 | <1.36 | <5.4 | <4.7D | <3.2 | <3 |
| PFHpS | <1.13 | <1.90 | <4.5 | <4.1D | <3.18 | <3 |
| PFNS | <1.93 | <1.82 | <6.4 | <4.4D | <3.18 | <3 |
| PFDS | <2 | <2.57 | <7 | <4.5D | <3.18 | <3 |
| PFDoS | <9.07 | <2.47 | <9.4 | <4.6D | <3.18 | <3 |
| FOSA | <8.83 | <1.55 | <5.5 | <8.1D | 5.87 J,B | <3 |
| N-MeFOSA | <4.71 | <10 | <11 | <5.1D | <3.66 | <3 |
| N-MeFOSE | <4.37 | <2.81 | <12 | <3.3D | <31.8 | <30 |
| N-EtFOSE | <4.96 | <2.12 | <8.6 | <4.9D | <23.8 | <30 |
| 4:2 FTSA | <2.23 | <1.90 | <7.9 | <5.5D | <12.7 | <12 |
| 6:2 FTSA | 1,500 | 2,890D | 2,100 | 1,600D | 2,750 | 2,700 |
| 8:2 FTSA | <1.34 | <2.62 | <14 | <6.5D | <12.7 | <10.2 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <1.03 | <1.28 | <4.4 | <5.1D | <12.7 | <12 |
| GenX (HPFO-DA) | <1.48 | <1.92 | <19 | <5.2D | <12.1 | <12 |
| 9CI-PF3ONS | <1.45 | <1.82 | <4.4 | <3D | <12.8 | <12 |
| 11CI-PF3OUdS | <1.43 | <1.49 | <6 | <4.3D | <12.7 | <12 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=analyte detected in the field blank D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)
N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | MW | '-6 | | |
|----------------------|-------------------------|---------------|----------|------------|----------|-----------|
| Lab | State Lab | of Hygiene | Pace An | alytical | SC | 3S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 3.48F | 6.06F | <37 | 8.7J,D | 9.51 | 5.63J |
| PFOS | <1.21 | <1.43 | <90 | <5.5D | 2.59 J,B | <2.97 |
| PFBS | 14.1 | 20.4 | 27J | 38D | 24 | 14.4 |
| PFHpA | 658 | 1,060 | 1,000 | 760D | 1,050 | 544 |
| PFHxS | <0.861 | <1.42 | <25 | <5.1D | 1.98 J,B | <2.97 |
| PFNA | <1.44 | <1.48 | <21 | <7.4D | <1.59 | <2.97 |
| PFDA | <1.39 | <1.63 | <24 | <5.7D | <1.59 | <2.97 |
| PFDoA | <2.37 | <2.71 | <21 | <4.9D | <1.59 | <2.38 |
| PFHxA | 2,200 | 3,180D | 3,800 | 3,400D | 3,500 | 2,470 |
| PFTeDA | <4.58 | <1.75 | <27 | <4.8D | <1.59 | <2.97 |
| PFTrDA | <2.27 | <1.93 | <24 | <6.2D | <1.59 | <2.97 |
| PFUnA | <1.74 | <2.22 | <28 | <5.4D | <1.59 | <2.97 |
| N-EtFOSA | <2.92 | <6.94 | <61 | <6.1D | <1.59 | <8.32 |
| N-EtFOSAA | <2.74 | <2.12 | <34 | <5.6D | <1.59 | <2.97 |
| N-MeFOSAA | <1.81 | <2.19 | <42 | <4.4D | <1.59 | <2.97 |
| PFBA | 455 | 729 | 820 | 650D | 697 | 587 |
| PFPeA | 3,490 | 4,710D | 6,600 | 5,700D | 5,440 | 4,260 |
| PFPeS | <0.781 | <1.36 | <27 | <4.8D | <1.6 | <2.99 |
| PFHpS | <1.03 | <1.90 | <22 | <4.1D | <1.59 | <2.97 |
| PFNS | <1.76 | <1.82 | <32 | <4.5D | <1.59 | <2.97 |
| PFDS | <1.83 | <2.57 | <35 | <4.5D | <1.59 | <2.97 |
| PFDoS | <8.29 | <2.47 | <47 | <4.6D | <1.59 | <2.97 |
| FOSA | <8.08 | <1.55 | <27 | <8.2D | 4.2 J,B | <2.97 |
| N-MeFOSA | <4.30 | <10 | <56 | <5.1D | <1.83 | <2.97 |
| N-MeFOSE | <4 | <2.81 | <58 | <3.3D | <15.9 | <29.7 |
| N-EtFOSE | <4.53 | <2.12 | <43 | <5D | <11.9 | <29.7 |
| 4:2 FTSA | <2.04 | <1.90 | <39 | <5.6D | <6.36 | <11.9 |
| 6:2 FTSA | 1,450 | 1,720D | 3,000 | 1,400D | 3,120 | 1,030 |
| 8:2 FTSA | <1.23 | <2.62 | <72 | <6.6D | <6.36 | <10.1 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.942 | <1.28 | <22 | <5.2D | <6.36 | <11.9 |
| GenX (HPFO-DA) | <1.36 | <1.92 | <93 | <5.3D | <6.04 | <11.9 |
| 9CI-PF3ONS | <1.33 | <1.48 | <22 | <3.1D | <6.37 | <11.9 |
| 11CI-PF3OUdS | <1.31 | <1.49 | <30 | <4.4D | <6.36 | <11.9 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=analyte detected in the field blank D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)
N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | M\ | N-7 | | |
|------------------------|------------------------|---------------|----------|-----------|----------|-----------|
| Lab | State Lab | of Hygiene | Pace A | nalytical | S | GS |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POLYI | FLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 2.99F | 5.38F | 5.4J | 4.6 | 4.83 | 5.01J |
| PFOS | 1.73F | 6.07F | <9.6 | 3.8 | 2.68 J,B | 5.62J |
| PFBS | 8.93 | 9.44F | 8.3J | 10 | 11.1 | 7.71J |
| PFHpA | 207 | 157 | 190 | 130 | 193 | 126 |
| PFHxS | <0.718 | <1.42 | <2.6 | 0.57J | 1.31 J,B | <2.99 |
| PFNA | <1.2 | 2.44F | 2.9J | 1.7J | 1.78J | 3.32J |
| PFDA | <1.16 | <1.63 | <2.5 | <0.56 | <0.736 | <2.99 |
| PFDoA | <1.98 | <2.71 | <2.3 | <0.48 | <0.736 | <2.39 |
| PFHxA | 808 | 641 | 860 | 600D | 785 | 550 |
| PFTeDA | <3.82 | <1.75 | <2.9 | <0.47 | <0.736 | <2.99 |
| PFTrDA | <1.89 | <1.93 | <2.5 | <0.62 | <0.736 | <2.99 |
| PFUnA | <1.45 | <2.22 | <3 | <0.54 | <0.736 | <2.99 |
| N-EtFOSA | <2.43 | <6.94 | <6.5 | <0.60 | <1.84 | <8.37 |
| N-EtFOSAA | <2.29 | <2.12 | <3.6 | <0.55 | <0.736 | <2.99 |
| N-MeFOSAA | <1.51 | <2.19 | <4.5 | <0.43 | <0.736 | <2.99 |
| PFBA | 174 | 183 | 210 | 160 | 208 | 167 |
| PFPeA | 1,340 | 1,010 | 1,500 | 860D | 1,410 | 931 |
| PFPeS | <0.651 | <1.36 | <2.8 | <0.47 | <0.74 | <3 |
| PFHpS | <0.862 | <1.90 | <2.4 | <0.41 | <0.736 | <2.99 |
| PFNS | <1.47 | <1.82 | <3.4 | <0.44 | <0.736 | <2.99 |
| PFDS | <1.52 | <2.57 | <3.7 | <0.45 | <0.736 | <2.99 |
| PFDoS | <6.91 | <2.47 | <5 | <0.46 | <0.736 | <2.99 |
| FOSA | <6.73 | <1.55 | <2.9 | <0.81 | <0.736 | <2.99 |
| N-MeFOSA | <3.59 | <10 | <6 | <0.51 | <0.847 | <2.99 |
| N-MeFOSE | <3.33 | <2.81 | <6.2 | <0.33 | <7.36 | <29.9 |
| N-EtFOSE | <3.78 | <2.12 | <4.6 | <0.49 | <5.51 | <29.9 |
| 4:2 FTSA | <1.70 | <1.90 | <4.2 | 1.1J | <2.94 | <12 |
| 6:2 FTSA | 623 | 800 | 750 | 550D | 696 | 1,010 |
| 8:2 FTSA | <1.02 | <2.62 | <7.7 | <0.65 | <2.94 | <10.2 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.785 | <1.28 | <2.3 | <0.51 | <2.94 | <12 |
| GenX (HPFO-DA) | <1.13 | <1.92 | <9.9 | < 0.53 | <2.80 | <12 |
| 9CI-PF3ONS | <1.11 | <1.82 | <2.3 | <0.3 | <2.95 | <12 |
| 11CI-PF3OUdS | <1.09 | <1.49 | <3.2 | <0.43 | <2.95 | <12 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)
N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | MW | 7-8 | | |
|------------------------|------------------------|---------------|----------|-----------|----------|-----------|
| Lab | State Lab | of Hygiene | Pace An | alytical | SC | 3S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POLYF | FLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 20.7 | 14.7 | <150 | 24D | 21.4J | 16.9 |
| PFOS | <1.15 | <1.43 | <370 | <5.5D | 24.9 B | <2.95 |
| PFBS | 4.84F | 6.18F | <77 | 24D | <6.11 | 6.06J |
| PFHpA | 1,560 | 1,820D | 2,100 | 3,400D | 1,860 | 1,840 |
| PFHxS | 9.63 | 6.45F | <100 | 11 J,D | 7.97 J,B | 6.69J |
| PFNA | 1.40F | <1.48 | <86 | <7.5D | <6.11 | 2.96 R,J |
| PFDA | <1.32 | <1.63 | <98 | <5.7D | <6.11 | <2.95 |
| PFDoA | <2.25 | <2.71 | <88 | <4.9D | <6.11 | <2.36 |
| PFHxA | 5,390 | 5,350D | 7,000 | 8,600D | 4,360 | 6580D |
| PFTeDA | <4.34 | <1.75 | <110 | <4.8D | <6.11 | <2.95 |
| PFTrDA | <2.15 | <1.93 | <98 | <6.3D | <6.11 | <2.95 |
| PFUnA | <1.65 | <2.22 | <120 | <5.5D | <6.11 | <2.95 |
| N-EtFOSA | <2.77 | <6.94 | <250 | <6.1D | <15.3 | <8.27 |
| N-EtFOSAA | <2.60 | <2.12 | <140 | <5.6D | <6.11 | <2.95 |
| N-MeFOSAA | <1.72 | <2.19 | <170 | <4.4D | <6.11 | <2.95 |
| PFBA | 1,350F | 2,120 | 2,300 | 2,800D | 1,130 | 2,600 |
| PFPeA | 13,500 | 12,300D | 19,000 | 17,000D | 8,510 | 17,500D |
| PFPeS | 1.08F | <1.36 | <110 | <4.8D | <6.14 | <2.97 |
| PFHpS | <0.980 | <1.90 | <93 | <4.1D | <6.11 | <2.95 |
| PFNS | <1.67 | <1.82 | <130 | <4.5D | <6.11 | <2.95 |
| PFDS | <1.73 | <2.57 | <140 | <4.5D | <6.11 | <2.95 |
| PFDoS | <7.86 | <2.47 | <190 | <4.6D | <6.11 | <2.95 |
| FOSA | <7.66 | <1.55 | <110 | <8.3D | 7.81 J,B | <2.95 |
| N-MeFOSA | <4.08 | <10 | <230 | <5.2D | <7.02 | <2.95 |
| N-MeFOSE | <3.79 | <2.81 | <240 | <3.3D | <6.11 | <29.5 |
| N-EtFOSE | <4.30 | <2.12 | <180 | <5D | <45.7 | <29.5 |
| 4:2 FTSA | 10.7 | 12 | <160 | 13 J,D | 24.4 | 11.9J |
| 6:2 FTSA | 33,600 | 17,800D | 34,000 | 3,600D | 25,400 | 20,800D |
| 8:2 FTSA | <1.16 | <2.62 | <300 | <6.6D | <24.4 | <10 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | < 0.893 | <1.28 | <90 | <5.2D | <24.4 | <11.8 |
| GenX (HPFO-DA) | <1.29 | <1.92 | <390 | <5.3D | <23.2 | <11.8 |
| 9CI-PF3ONS | <1.26 | <1.82 | <90 | <3.1D | <24.5 | <11.8 |
| 11CI-PF3OUdS | <1.24 | <1.49 | <120 | <4.4D | <24.5 | <11.8 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | | MV | <i>I-</i> 9 | | |
|-----------------------|-------------------------|---------------|----------|-------------|----------|-----------|
| Lab | State Lab | of Hygiene | Pace Ar | alytical | SC | 3S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POLY | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 5.41F | 10.8 | <15 | 15 J,D | 5.65J | 8.85J |
| PFOS | <1.19 | 1.98F | <35 | <5.5D | <3.05 | <2.99 |
| PFBS | 22.8 | 19.3 | 27J | 42D | 11.3J | 17.4 |
| PFHpA | 547 | 1,200 | 760 | 880D | 386 | 738 |
| PFHxS | <0.849 | 2.42F | <9.7 | 5.2 J,D | <3.05 | <2.99 |
| PFNA | <1.42 | <1.48 | <8.1 | <7.4D | <3.05 | <2.99 |
| PFDA | <1.37 | <1.63 | <9.2 | <5.6D | <3.05 | <2.99 |
| PFDoA | <2.34 | <2.71 | <8.3 | <4.8D | <3.05 | <2.39 |
| PFHxA | 4,060 | 8,560D | 3,100 | 8,500D | 1,360 | 8,460D |
| PFTeDA | <4.51 | <1.75 | <11 | <4.8D | <3.05 | <2.99 |
| PFTrDA | <2.24 | <1.93 | <9.3 | <6.2D | <3.05 | <2.99 |
| PFUnA | <1.72 | <2.22 | <11 | <5.4D | <3.05 | <2.99 |
| N-EtFOSA | <2.87 | <6.94 | <24 | <6.1D | <7.62 | <8.36 |
| N-EtFOSAA | <2.70 | <2.12 | <13 | <5.5D | <3.05 | <2.99 |
| N-MeFOSAA | <1.78 | <2.19 | <16 | <4.3D | <3.05 | <2.99 |
| PFBA | 450 | 1,670 | 590 | 1,300D | 222 | 1,540 |
| PFPeA | 6,900 | 7,010D | 5,700 | 6,800D | 1,940 | 7,040 |
| PFPeS | <0.770 | <1.36 | <10 | <4.7D | <3.06 | <3 |
| PFHpS | 6.70F | <1.90 | <8.8 | <4.1D | <3.05 | <2.99 |
| PFNS | <1.74 | <1.82 | <13 | <4.5D | <3.05 | <2.99 |
| PFDS | <1.80 | <2.57 | <14 | <4.5D | <3.05 | <2.99 |
| PFDoS | <8.17 | <2.47 | <18 | <4.6D | <3.05 | <2.99 |
| FOSA | <7.96 | <1.55 | <11 | <8.2D | 4.58 J,B | <2.99 |
| N-MeFOSA | <4.24 | <10 | <22 | <5.1D | <3.51 | <2.99 |
| N-MeFOSE | <3.94 | <2.81 | <23 | <3.3D | <30.5 | <29.9 |
| N-EtFOSE | <4.47 | <2.12 | <17 | <5D | <22.8 | <29.9 |
| 4:2 FTSA | 6.02F | 227 | <15 | 220D | <12.2 | 170 |
| 6:2 FTSA | 7,590 | 14,200D | 6,100 | 3,300D | 3,770 | 13,200 |
| 8:2 FTSA | <1.21 | <2.62 | <28 | <6.5D | <12.2 | <10.2 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.928 | <1.28 | <8.5 | <5.1D | <12.2 | <11.9 |
| GenX (HPFO-DA) | <1.34 | <1.92 | <37 | <5.3D | <11.6 | <11.9 |
| 9CI-PF3ONS | <1.31 | <1.82 | <8.5 | <3D | <12.2 | <12 |
| 11CI-PF3OUdS | <1.29 | <1.49 | <12 | <4.4D | <12.2 | <12 |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6) PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | MW-10 | | | | | | | |
|-----------------------|-------------------------|---------------|-----------------|-----------|----------|-----------|--|--|
| Lab | State Lab of Hygiene | | Pace Analytical | | SGS | | | |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | | |
| PERFLUOROALKYL & POLY | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | | | |
| PFOA | 14 | 15.3 | <38 | 18 J,D | 9.92J | 12.2J | | |
| PFOS | <1.27 | <1.43 | <91 | <5.6D | 16.4B | <6.16 | | |
| PFBS | 64.3 | 40.8 | 44J | 54D | 25.8 | 34.7 | | |
| PFHpA | 1,200 | 1,360D | 1,500 | 1,000D | 1,050 | 1,270 | | |
| PFHxS | 1.70F | <1.42 | <25 | <5.2D | <3.15 | <6.16 | | |
| PFNA | 2.00F | <1.48 | <21 | <7.5D | <3.15 | <6.16 | | |
| PFDA | <1.46 | <1.63 | <24 | <5.7D | <3.15 | <6.16 | | |
| PFDoA | <2.49 | <2.71 | <22 | <4.9D | <3.15 | <4.92 | | |
| PFHxA | 7,590 | 6,470D | 8,700 | 6,200D | 3,940 | 6,320 | | |
| PFTeDA | <4.80 | <1.75 | <27 | <4.8D | <3.15 | <6.16 | | |
| PFTrDA | <2.38 | <1.93 | <24 | <6.3D | <3.15 | <6.16 | | |
| PFUnA | <1.83 | <2.22 | <29 | <5.5D | <3.15 | <6.16 | | |
| N-EtFOSA | <3.06 | <6.94 | <62 | <6.2D | <7.88 | <17.2 | | |
| N-EtFOSAA | <2.88 | <2.12 | <34 | <5.6D | <3.15 | <6.16 | | |
| N-MeFOSAA | <1.90 | <2.19 | <43 | <4.4D | <3.15 | <6.16 | | |
| PFBA | 918F | 1,260 | 1,500 | 1,100D | 485 | 1,290 | | |
| PFPeA | 13,300 | 9,110D | 15,000 | 9,500D | 5,140 | 11,200 | | |
| PFPeS | 0.947F | <1.36 | <27 | <4.8D | <3.17 | <0.619 | | |
| PFHpS | <1.08 | <1.90 | <23 | <4.2D | <3.15 | <6.16 | | |
| PFNS | <1.85 | <1.82 | <32 | <4.5D | <3.15 | <6.16 | | |
| PFDS | <1.92 | <2.57 | <35 | <4.6D | <3.15 | <6.16 | | |
| PFDoS | <8.70 | <2.47 | <48 | <4.7D | <3.15 | <6.16 | | |
| FOSA | <8.48 | <1.55 | <28 | <8.3D | 5.43 J,B | <6.16 | | |
| N-MeFOSA | <4.51 | <10 | <57 | <5.2 | <3.62 | <6.16 | | |
| N-MeFOSE | <4.19 | <2.81 | <59 | <3.3D | <31.5 | <61.6 | | |
| N-EtFOSE | <4.76 | <2.12 | <43 | <5D | <23.6 | <61.6 | | |
| 4:2 FTSA | 13.8 | 12.4 | <40 | 15 J,D | <12.6 | <24.6 | | |
| 6:2 FTSA | 12,900 | 8,280D | 11,000 | 3,300D | 9,880 | 9,790 | | |
| 8:2 FTSA | <1.29 | <2.62 | <73 | <6.6D | <12.6 | <20.9 | | |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR | | |
| DONA | <0.988 | <1.28 | <22 | <5.2D | <12.6 | <24.6 | | |
| GenX (HPFO-DA) | <1.42 | <1.92 | <95 | <5.4D | <12 | <24.6 | | |
| 9CI-PF3ONS | <1.39 | <1.82 | <22 | <3.1D | <12.6 | <24.7 | | |
| 11CI-PF3OUdS | <1.38 | <1.49 | <30 | <4.4D | <12.6 | <24.7 | | |

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PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

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PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | oring Well MW-11 | | | | | | | |
|----------------------|-------------------------|---------------|-----------------|-----------|----------|-----------|--|--|
| Lab Sampling Date | State Lab of Hygiene | | Pace Analytical | | SGS | | | |
| | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | | | |
| PFOA | 13 | 15.3 | <38 | 18 J,D | 13.7 | 10.3J | | |
| PFOS | 1.58F | 1.86F | <91 | <5.4D | <3.14 | <2.98 | | |
| PFBS | 34 | 19.3 | 39J | 46D | 21.2 | 23.8 | | |
| PFHpA | 946 | 837 | 910 | 730D | 583 | 691 | | |
| PFHxS | 1.38F | <1.42 | <25 | <5D | <3.14 | <2.98 | | |
| PFNA | 1.79F | 2.01F | <21 | <7.3 | <3.14 | <2.98 | | |
| PFDA | <1.47 | <1.63 | <24 | <5.6D | <3.14 | <2.98 | | |
| PFDoA | <2.50 | <2.71 | <22 | <4.8D | <3.14 | <2.38 | | |
| PFHxA | 4,180 | 3,430D | 5,800 | 4,200D | 3,330 | 4,550 | | |
| PFTeDA | <4.82 | <1.75 | <27 | <4.7D | <3.14 | <2.98 | | |
| PFTrDA | <2.39 | <1.93 | <24 | <6.1D | <3.14 | <2.98 | | |
| PFUnA | <1.84 | <2.22 | <29 | <5.3D | <3.14 | <2.98 | | |
| N-EtFOSA | <3.07 | <6.94 | <62 | <6D | <7.84 | <8.34 | | |
| N-EtFOSAA | <2.89 | <2.12 | <34 | <5.5D | <3.14 | <2.98 | | |
| N-MeFOSAA | <1.91 | <2.19 | <43 | <4.3D | <3.14 | <2.98 | | |
| PFBA | 839 | 900 | 1,200 | 930D | 583 | 1,040 | | |
| PFPeA | 6,050 | 5,210D | 9,500 | 7,700D | 4,500 | 7,660 | | |
| PFPeS | <0.823 | <1.36 | <27 | <4.7D | <3.15 | <2.99 | | |
| PFHpS | <1.09 | <1.90 | <23 | <4.1D | <3.14 | <2.98 | | |
| PFNS | <1.86 | <1.82 | <32 | <4.4D | <3.14 | <2.98 | | |
| PFDS | <1.93 | <2.57 | <35 | <4.4D | <3.14 | <2.98 | | |
| PFDoS | <8.73 | <2.47 | <48 | <4.5D | <3.14 | <2.98 | | |
| FOSA | <8.51 | <1.55 | <28 | <8.1D | 3.77J, B | <2.98 | | |
| N-MeFOSA | <4.53 | <10 | <57 | <5D | <3.61 | <2.98 | | |
| N-MeFOSE | <4.21 | <2.81 | <59 | <3.2D | <31.4 | <29.8 | | |
| N-EtFOSE | <4.77 | <2.12 | <43 | <4.9D | <23.5 | <29.8 | | |
| 4:2 FTSA | 12.2 | 12 | <40 | 12D | <12.5 | 12 | | |
| 6:2 FTSA | 25,100 | 18,500D | 19,000 | 3,500D | 20,100 | 18,200D | | |
| 8:2 FTSA | 1.59F | 3.15F | <73 | <6.4D | <12.5 | <10.1 | | |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR | | |
| DONA | <0.992 | <1.28 | <22 | <5.1D | <12.5 | <11.9 | | |
| GenX (HPFO-DA) | <1.43 | <1.92 | <95 | <5.2D | <11.9 | <11.9 | | |
| 9CI-PF3ONS | <1.40 | <1.82 | <22 | <3D | <12.6 | <11.9 | | |
| 11CI-PF3OUdS | <1.38 | <1.49 | <30 | <4.3D | <12.6 | <11.9 | | |

ng/L = nanograms per liter (parts per trillion)
< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

D=Sample Dilution

F/J = result is between laboratory limit of detection and laboratory limit of quantitation PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5) PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

| Monitoring Well | | MW-12 | |
|----------------------|-------------------------|-----------------|-------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | |
| PFOA | 6.22F | 5.5 | 4.97J |
| PFOS | <1.43 | <0.55 | <2.92 |
| PFBS | 4.58F | 8.3 | 6.76J |
| PFHpA | 4.84F | 6.7 | 5.2J |
| PFHxS | <1.42 | 1.6J | <2.92 |
| PFNA | <1.48 | <0.74 | <2.92 |
| PFDA | <1.63 | <0.57 | <2.92 |
| PFDoA | <2.71 | <0.49 | <2.33 |
| PFHxA | 12.3 | 17 | 16.1 |
| PFTeDA | <1.75 | <0.48 | <2.92 |
| PFTrDA | <1.93 | <0.63 | <2.92 |
| PFUnA | <2.22 | <0.54 | <2.92 |
| N-EtFOSA | <6.94 | <0.61 | <8.16 |
| N-EtFOSAA | <2.12 | <0.56 | <2.92 |
| N-MeFOSAA | <2.19 | <0.44 | <2.92 |
| PFBA | 77.6 | 140 | 148 |
| PFPeA | 13.4 | 21 | 20.5J |
| PFPeS | <1.36 | 1.2J | <2.93 |
| PFHpS | <1.90 | <0.41 | <2.92 |
| PFNS | <1.82 | <0.45 | <2.92 |
| PFDS | <2.57 | <0.45 | <2.92 |
| PFDoS | <2.47 | <0.46 | <2.92 |
| FOSA | <1.55 | <0.82 | <2.92 |
| N-MeFOSA | <10 | <0.51 | <2.92 |
| N-MeFOSE | <2.81 | <0.33 | <29.2 |
| N-EtFOSE | <2.12 | <0.5 | <29.2 |
| 4:2 FTSA | <1.90 | <0.56 | <11.7 |
| 6:2 FTSA | <2.72 | <0.65 | <10.5 |
| 8:2 FTSA | <2.62 | <0.66 | <9.91 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.52 | <11.7 |
| GenX (HPFO-DA) | <1.92 | <0.53 | <11.7 |
| 9CI-PF3ONS | <1.82 | <0.31 | <11.7 |
| 11CI-PF3OUdS | <1.49 | <0.44 | <11.7 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4) PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11) N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3oxaundecane-1-sulfonic acid (C10)

| Monitoring Well | | MW-13 | |
|----------------------|---------------------------|-----------------|--------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES (| PFAS) (ng/L) | |
| PFOA | 2.05F | 2J | 1.78 |
| PFOS | <1.43 | <0.54 | <0.375 |
| PFBS | 3.73F | 4.6B | 4.25 |
| PFHpA | <1.50 | 1.7J | 1.21J |
| PFHxS | <1.42 | 0.53J | 0.533J |
| PFNA | <1.48 | <0.73 | <0.375 |
| PFDA | <1.63 | <0.56 | <0.375 |
| PFDoA | <2.71 | <0.48 | <0.300 |
| PFHxA | 6.42F | 7.6 | 6.18 |
| PFTeDA | <1.75 | <0.47 | <0.375 |
| PFTrDA | <1.93 | <0.61 | <0.375 |
| PFUnA | <2.22 | <0.53 | <0.375 |
| N-EtFOSA | <6.94 | <0.6 | <1.05 |
| N-EtFOSAA | <2.12 | <0.55 | <0.375 |
| N-MeFOSAA | <2.19 | <0.5 | <0.375 |
| PFBA | 53.4 | 61 | 61.3 |
| PFPeA | 8.07F | 9.9 | 8.81 |
| PFPeS | <1.36 | <0.47 | 0.523J |
| PFHpS | <1.90 | <0.41 | <0.375 |
| PFNS | <1.82 | <0.44 | <0.375 |
| PFDS | <2.57 | <0.44 | <0.375 |
| PFDoS | <2.47 | <0.45 | <0.375 |
| FOSA | <1.55 | <0.81 | <0.375 |
| N-MeFOSA | <10 | <0.43 | <0.375 |
| N-MeFOSE | <2.81 | <0.32 | <3.75 |
| N-EtFOSE | <2.12 | <0.49 | <3.75 |
| 4:2 FTSA | <1.90 | <0.55 | <1.5 |
| 6:2 FTSA | <2.72 | <0.64 | <1.35 |
| 8:2 FTSA | <2.62 | <0.65 | <1.27 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.51 | <1.5 |
| GenX (HPFO-DA) | <1.92 | <0.52 | <1.5 |
| 9CI-PF3ONS | <1.82 | <0.3 | <1.5 |
| 11CI-PF3OUdS | <1.49 | <0.43 | <1.5 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12) FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

 ${\tt 11CI-PF3OUdS~(763051-92-9)~11-chloroeicosafluoro-3oxaundecane-1-sulfonic~acid~(C10)}\\$

| Monitoring Well | | MW-14 | |
|-----------------------|------------------------|-----------------|-------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POLY | FLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | |
| PFOA | 5.77F | 14 | 9.65J |
| PFOS | 3.17F | 14 | 9.69J |
| PFBS | <2.31 | 5.0B | 3.64J |
| PFHpA | 4.57F | 15 | 7.28J |
| PFHxS | 4.56F | 11 | 7.63J |
| PFNA | <1.48 | 1.3J | <2.95 |
| PFDA | <1.63 | <0.57 | <2.95 |
| PFDoA | <2.71 | <0.49 | <2.36 |
| PFHxA | 18.4 | 40 | 24 |
| PFTeDA | <1.75 | <0.48 | <2.95 |
| PFTrDA | <1.93 | <0.63 | <2.95 |
| PFUnA | <2.22 | <0.54 | <2.95 |
| N-EtFOSA | <6.94 | <0.61 | <8.25 |
| N-EtFOSAA | <2.12 | <0.56 | <2.95 |
| N-MeFOSAA | <2.19 | <0.44 | <2.95 |
| PFBA | 16.2 | 35 | 31.7J |
| PFPeA | 27.2 | 63 | 38.4 |
| PFPeS | <1.36 | 0.79J | <2.96 |
| PFHpS | <1.90 | <0.41 | <2.95 |
| PFNS | <1.82 | <0.45 | <2.95 |
| PFDS | <2.57 | <0.45 | <2.95 |
| PFDoS | <2.47 | <0.46 | <2.95 |
| FOSA | <1.55 | <0.82 | <2.95 |
| N-MeFOSA | <10 | <0.52 | <2.95 |
| N-MeFOSE | <2.81 | <0.33 | <29.5 |
| N-EtFOSE | <2.12 | <0.50 | <29.5 |
| 4:2 FTSA | <1.90 | <0.56 | <11.8 |
| 6:2 FTSA | 7.54F | 23 | 13.1J |
| 8:2 FTSA | <2.62 | <0.66 | <10 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.52 | <11.8 |
| GenX (HPFO-DA) | <1.92 | <0.53 | <11.8 |
| 9CI-PF3ONS | <1.82 | <0.31 | <11.8 |
| 11CI-PF3OUdS | <1.49 | <0.44 | <11.8 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11) N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

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8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3oxaundecane-1-sulfonic acid (C10)

| Monitoring Well | | MW-15 | |
|----------------------|-------------------------|-----------------|-------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | |
| PFOA | 2.3F | 3.3 | <3.01 |
| PFOS | <1.43 | <0.54 | <3.01 |
| PFBS | 2.46F | 5.2B | 4.15J |
| PFHpA | 19.9 | 18 | 13.9 |
| PFHxS | <1.42 | 3.9 | 3.15J |
| PFNA | <1.48 | <0.73 | <3.01 |
| PFDA | <1.63 | <0.56 | <3.01 |
| PFDoA | <2.71 | <0.48 | <2.41 |
| PFHxA | 99.7 | 110 | 87.9 |
| PFTeDA | <1.75 | <0.47 | <3.01 |
| PFTrDA | <1.93 | <0.62 | <3.01 |
| PFUnA | <2.22 | <0.54 | <3.01 |
| N-EtFOSA | <6.94 | <0.6 | <8.42 |
| N-EtFOSAA | <2.12 | <0.55 | <3.01 |
| N-MeFOSAA | <2.19 | <0.43 | <3.01 |
| PFBA | 51.5 | 94 | 85.9 |
| PFPeA | 164 | 180 | 169 |
| PFPeS | <1.36 | 1.2J | <3.02 |
| PFHpS | <1.9 | <0.41 | <3.01 |
| PFNS | <1.82 | <0.44 | <3.01 |
| PFDS | <2.57 | <0.45 | <3.01 |
| PFDoS | <2.47 | <0.46 | <3.01 |
| FOSA | <1.55 | <0.81 | <3.01 |
| N-MeFOSA | <10 | <0.51 | <3.01 |
| N-MeFOSE | <2.81 | <0.33 | <30.1 |
| N-EtFOSE | <2.12 | <0.49 | <30.1 |
| 4:2 FTSA | <1.90 | <0.55 | <12 |
| 6:2 FTSA | 70.6 | 57 | 51.1 |
| 8:2 FTSA | <2.62 | <0.65 | <10.2 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.51 | <12 |
| GenX (HPFO-DA) | <1.92 | <0.52 | <12 |
| 9CI-PF3ONS | <1.82 | <0.3 | <12.1 |
| 11CI-PF3OUdS | <1.49 | <0.43 | <12 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFNS (66259-12-1) Periluorononanesulionic Acid (CS

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11) N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

 $9 \hbox{CI-PF3ONS (756426-58-1) 9-clorohexadeca fluoro-3-oxane on an e-1-sulfonic acid (C8)}\\$

 ${\tt 11CI-PF3OUdS~(763051-92-9)~11-chloroeicosafluoro-3oxaundecane-1-sulfonic~acid~(C10)}\\$

| Monitoring Well | | MW-16 | |
|----------------------|-------------------------|-----------------|--------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | |
| PFOA | 3.99F | 5.6 | 4.01 |
| PFOS | <1.43 | 1.4J | 1.17J |
| PFBS | 5.14F | 6.6B | 5.4 |
| PFHpA | 75.9 | 80 | 65.1 |
| PFHxS | <1.42 | 0.59J | 0.464J |
| PFNA | <1.48 | 1.2J | 0.779J |
| PFDA | <1.63 | <0.59 | <0.373 |
| PFDoA | <2.71 | <0.51 | <0.298 |
| PFHxA | 294 | 290D | 276 |
| PFTeDA | <1.75 | <0.66 | <0.373 |
| PFTrDA | <1.93 | <0.50 | <0.373 |
| PFUnA | <2.22 | <0.57 | <0.373 |
| N-EtFOSA | <6.94 | <0.64 | <1.04 |
| N-EtFOSAA | <2.12 | <0.58 | <0.373 |
| N-MeFOSAA | <2.19 | <0.46 | <0.373 |
| PFBA | 121 | 120 | 144 |
| PFPeA | 473 | 500D | 524 |
| PFPeS | <1.36 | <0.50 | <0.374 |
| PFHpS | <1.90 | <0.43 | <0.373 |
| PFNS | <1.82 | <0.47 | <0.373 |
| PFDS | <2.57 | <0.47 | <0.373 |
| PFDoS | <2.47 | <0.48 | <0.373 |
| FOSA | <1.55 | <0.86 | <0.373 |
| N-MeFOSA | <10 | <0.54 | <0.373 |
| N-MeFOSE | <2.81 | <0.35 | <0.373 |
| N-EtFOSE | <2.12 | <0.52 | <0.373 |
| 4:2 FTSA | <1.90 | 1.2J | <1.49 |
| 6:2 FTSA | 283 | 310D | 292 |
| 8:2 FTSA | <2.62 | <0.69 | <1.27 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.54 | <1.49 |
| GenX (HPFO-DA) | <1.92 | <0.56 | <1.49 |
| 9CI-PF3ONS | <1.82 | <0.32 | <1.49 |
| 11CI-PF3OUdS | <1.49 | <0.46 | <1.49 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4) PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3oxaundecane-1-sulfonic acid (C10)

| Monitoring Well | | MW-17 | |
|----------------------|---------------------------|-----------------|-------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES (| PFAS) (ng/L) | |
| PFOA | <1.08 | 0.68J | <2.99 |
| PFOS | <1.43 | <0.54 | <2.99 |
| PFBS | <2.31 | 1.8B | <2.99 |
| PFHpA | <1.5 | <0.55 | <2.99 |
| PFHxS | <1.42 | <0.5 | <2.99 |
| PFNA | <1.48 | <0.73 | <2.99 |
| PFDA | <1.63 | <0.56 | <2.99 |
| PFDoA | <2.71 | <0.48 | <2.39 |
| PFHxA | <2.04 | 0.6J | <2.99 |
| PFTeDA | <1.75 | <0.47 | <2.99 |
| PFTrDA | <1.93 | <0.62 | <2.99 |
| PFUnA | <2.22 | <0.54 | <2.99 |
| N-EtFOSA | <6.94 | <0.60 | <8.36 |
| N-EtFOSAA | <2.12 | <0.55 | <2.99 |
| N-MeFOSAA | <2.19 | <0.43 | <2.99 |
| PFBA | 4.79F | 11 | <11.9 |
| PFPeA | <1.50 | 0.82J | <5.97 |
| PFPeS | <1.36 | <0.47 | <3 |
| PFHpS | <1.90 | <0.41 | <2.99 |
| PFNS | <1.82 | <0.44 | <2.99 |
| PFDS | <2.57 | <0.45 | <2.99 |
| PFDoS | <2.47 | <0.46 | <2.99 |
| FOSA | <1.55 | <0.81 | <2.99 |
| N-MeFOSA | <10 | <0.51 | <2.99 |
| N-MeFOSE | <2.81 | <0.33 | <29.9 |
| N-EtFOSE | <2.12 | <0.49 | <29.9 |
| 4:2 FTSA | <1.90 | <0.55 | <11.9 |
| 6:2 FTSA | <2.72 | <0.64 | <10.8 |
| 8:2 FTSA | <2.62 | <0.65 | <10.2 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.51 | <11.9 |
| GenX (HPFO-DA) | <1.92 | <0.52 | <11.9 |
| 9CI-PF3ONS | <1.82 | <0.3 | <12 |
| 11CI-PF3OUdS | <1.49 | <0.43 | <12 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections

B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

 $\hbox{N-MeFOSE (24448-09-7) N-methylperfluorooctane sulfon a midoethanol (C11)}\\$

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

 $9 \hbox{CI-PF3ONS (756426-58-1) 9-clorohexadeca fluoro-3-oxane on an e-1-sulfonic acid (C8)}\\$

 ${\tt 11CI-PF3OUdS~(763051-92-9)~11-chloroeicosafluoro-3oxaundecane-1-sulfonic~acid~(C10)}\\$

| Monitoring Well | PZ-1 | | | | | | | |
|------------------|----------------------|----------------------|----------|-----------|----------|-----------|--|--|
| Lab | State Lab of | State Lab of Hygiene | | nalytical | SC | GS | | |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | | |
| PERFLUOROALKYL 8 | POLYFLUOROALKYL SUBS | TANCES (PFAS) (ng/L) | | | | | | |
| PFOA | <2.03 | <1.08 | <1.1 | <0.65 | <0.887 | <3.39 | | |
| PFOS | <1.36 | <1.43 | <2.7 | 0.73J | <0.887 | <3.39 | | |
| PFBS | <1.62 | <2.31 | <0.55 | <0.53 | <0.887 | <3.39 | | |
| PFHpA | <1.08 | <1.50 | < 0.59 | <0.61 | <0.887 | <3.39 | | |
| PFHxS | <0.969 | <1.42 | <0.73 | <0.57 | <0.887 | <3.39 | | |
| PFNA | <1.62 | <1.48 | <0.61 | <0.82 | <0.887 | <3.39 | | |
| PFDA | <1.57 | <1.63 | <0.7 | < 0.63 | <0.887 | <3.39 | | |
| PFDoA | <2.67 | <2.71 | < 0.63 | <0.54 | <0.887 | <3.16 | | |
| PFHxA | <1.40 | <2.04 | 1.2J | 0.72J | <0.887 | <3.39 | | |
| PFTeDA | <5.15 | <1.75 | <0.8 | <0.53 | <0.887 | NQ | | |
| PFTrDA | <2.556 | <1.93 | <0.7 | < 0.69 | <0.887 | NQ | | |
| PFUnA | <1.96 | <2.22 | <0.83 | <0.60 | <0.887 | <3.39 | | |
| N-EtFOSA | <3.28 | <6.94 | <1.8 | <0.68 | <2.22 | NQ | | |
| N-EtFOSAA | <3.09 | <2.12 | <1 | <0.62 | <0.887 | <3.39 | | |
| N-MeFOSAA | <2.04 | <2.19 | <1.2 | <0.48 | <0.887 | <3.39 | | |
| PFBA | <29.1 | <3.46 | <0.8 | <0.49 | <3.55 | <13.5 | | |
| PFPeA | <2.5 | <1.5 | <0.72 | 0.49J | <1.77 | <6.77 | | |
| PFPeS | <0.879 | <1.36 | <0.79 | <0.53 | <0.891 | <3.40 | | |
| PFHpS | <1.16 | <1.90 | <0.66 | <0.46 | <0.887 | <3.39 | | |
| PFNS | <1.98 | <1.82 | <0.95 | <0.5 | <0.887 | <3.39 | | |
| PFDS | <2.06 | <2.57 | <1 | <0.5 | <0.887 | <3.39 | | |
| PFDoS | <9.33 | <3.98 | <1.4 | <0.51 | <0.887 | <3.39 | | |
| FOSA | <9.09 | <1.55 | <0.82 | <0.91 | <0.887 | <3.39 | | |
| N-MeFOSA | <4.84 | <10 | <1.7 | <0.57 | <1.02 | NQ | | |
| N-MeFOSE | NR | <2.81 | <1.7 | <0.37 | <8.87 | <33.9 | | |
| N-EtFOSE | NR | <2.12 | <1.3 | <0.55 | <6.63 | <33.9 | | |
| 4:2 FTSA | <2.3 | <1.90 | <1.2 | <0.62 | <3.55 | <13.5 | | |
| 6:2 FTSA | 2.3F | 5.24F | 36 | 11 | <3.20 | <12.2 | | |
| 8:2 FTSA | <1.38 | <2.62 | <2.1 | <0.73 | <3.55 | <11.5 | | |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR | | |
| DONA | <1.06 | <1.28 | <0.64 | <0.57 | <3.55 | <13.5 | | |
| GenX (HPFO-DA) | <1.53 | <1.92 | <2.8 | <0.59 | <3.37 | <13.5 | | |
| 9CI-PF3ONS | <1.50 | <1.82 | <0.64 | <0.34 | <3.55 | <13.6 | | |
| 11CI-PF3OUdS | <1.48 | <1.49 | <0.88 | <0.49 | <3.55 | <13.6 | | |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit Bold indicates laboratory detections

B=Analyte detected in the field blank

F /J= result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)
PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PEDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)
PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)
PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9) PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12) FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7) GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8) 11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3oxaundecane-1-sulfonic acid (C10)

| Monitoring Well | | PZ-2 | |
|----------------------|----------------------------|-----------------|-------|
| Lab | State Lab of Hygiene | Pace Analytical | SGS |
| Sampling Date | | 7/12/2022 | |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES (F | PFAS) (ng/L) | |
| PFOA | 1.68F | <0.62 | <4.26 |
| PFOS | <1.43 | <0.58 | <4.26 |
| PFBS | <2.31 | <0.50 | <4.26 |
| PFHpA | <1.50 | <0.59 | <4.26 |
| PFHxS | <1.42 | <0.54 | <4.26 |
| PFNA | <1.48 | <0.79 | <4.26 |
| PFDA | <1.63 | <0.60 | <4.26 |
| PFDoA | <2.71 | <0.52 | <3.41 |
| PFHxA | <2.04 | <0.47 | <4.26 |
| PFTeDA | <1.75 | <0.51 | <22.3 |
| PFTrDA | <1.93 | <0.66 | <4.26 |
| PFUnA | <2.22 | <0.58 | <4.26 |
| N-EtFOSA | <6.94 | <0.65 | NR |
| N-EtFOSAA | <2.12 | <0.59 | <4.26 |
| N-MeFOSAA | <2.19 | <0.46 | <4.26 |
| PFBA | <3.46 | 0.60J | <17 |
| PFPeA | <1.5 | <0.47 | <8.52 |
| PFPeS | <1.36 | <0.51 | <4.28 |
| PFHpS | <1.90 | <0.44 | <4.26 |
| PFNS | <1.82 | <0.48 | <4.26 |
| PFDS | <2.57 | <0.48 | <4.26 |
| PFDoS | <3.98 | <0.49 | <4.26 |
| FOSA | <1.55 | <0.87 | <4.26 |
| N-MeFOSA | <10 | <0.55 | <5.65 |
| N-MeFOSE | <2.81 | <0.35 | <42.6 |
| N-EtFOSE | <2.12 | <0.53 | <42.6 |
| 4:2 FTSA | <1.90 | <0.60 | <17 |
| 6:2 FTSA | <2.72 | <0.69 | <15.4 |
| 8:2 FTSA | <2.62 | <0.70 | <14.5 |
| 10:2 FTSA | NR | NR | NR |
| DONA | <1.28 | <0.55 | <17 |
| GenX (HPFO-DA) | <1.92 | <0.56 | <17 |
| 9CI-PF3ONS | <1.82 | <0.33 | <17.1 |
| 11CI-PF3OUdS | <1.49 | <0.47 | <17.1 |

ng/L = nanograms per liter (parts per trillion)

< = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)

PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)

PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9)

PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12)

PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14)

PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUnA (2058-94-8) Perfluoroundecanoic Acid (C11)

N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11)

PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)

PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7)

PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10)

PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12) FOSA (754-91-6) Perfluorooctainesulfonamide (C8)

N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9)

 $\hbox{N-MeFOSE (24448-09-7) N-methylperfluorooctane sulfon a midoethanol (C11)}\\$

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12)

4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8)

8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12)

DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)

9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

 ${\tt 11CI-PF3OUdS~(763051-92-9)~11-chloroeicosafluoro-3oxaundecane-1-sulfonic~acid~(C10)}\\$

| Monitoring Well | | | | SUMP | | • | • |
|-----------------|--------------------------|-----------------------|-----------|----------|-----------|----------|-----------|
| Lab | State Lab of Hygiene | | | Pace Ana | | SG | S |
| Sampling Date | 10/12/2020 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| ERFLUOROALKYL | . & POLYFLUOROALKYL SUBS | STANCES (PFAS) (ng/L) | | | | | |
| PFOA | 7.47F | 27 | 1.35F | 53J | 1.3J | 26.9 | 0.821J |
| PFOS | <3.40 | <1.26 | <1.43 | <93 | 0.71J | 4.19 J,B | 4.98 |
| PFBS | 6.65F | 7.47F | <2.31 | <19 | 1.3J | <3 | < 0.372 |
| PFHpA | 434 | 757 | 21.5 | 980 | 27 | 1,090 | < 0.372 |
| PFHxS | <4.10 | < 0.896 | <1.42 | <26 | <0.48 | <3 | < 0.372 |
| PFNA | <4.32 | 4.17F | <1.48 | <22 | 1.3J | 4.77J | < 0.372 |
| PFDA | <3.93 | <1.45 | <1.63 | <24 | 1J | <3 | < 0.372 |
| PFDoA | <3.84 | <2.47 | <2.71 | <22 | <0.46 | <3 | < 0.297 |
| PFHxA | 7,040 | 3,070 | 79.7 | 4,200 | 73 | 4,290 | < 0.372 |
| PFTeDA | <3.55 | <4.77 | <1.75 | <28 | <0.45 | <3 | < 0.372 |
| PFTrDA | <4.01 | <2.36 | <1.93 | <25 | <0.59 | <3 | < 0.372 |
| PFUnA | <4.07 | <1.82 | <2.22 | <29 | <0.51 | <3 | < 0.372 |
| I-EtFOSA | <6.59 | <3.04 | <6.94 | <63 | <0.58 | <7.49 | <1.04 |
| I-EtFOSAA | <4.29 | <2.85 | <2.12 | <35 | < 0.53 | <3 | < 0.372 |
| I-MeFOSAA | <5.37 | <1.88 | <2.19 | <43 | <0.41 | <3 | < 0.372 |
| PFBA | NR | 809 | 26.4 | 910 | 33 | 990 | <1.49 |
| PFPeA | 7,480 | 3,900 | 119 | 5,900 | 110 | 5,810 | < 0.743 |
| PFPeS | <2.72 | <0.813 | <1.36 | <28 | <0.45 | <3.01 | < 0.373 |
| PFHpS | 5.3F | <1.08 | <1.90 | <23 | <0.39 | <3 | < 0.372 |
| PFNS | <5 | <1.84 | <1.82 | <33 | <0.42 | <3 | < 0.372 |
| PFDS | <4.56 | <1.90 | <2.57 | <36 | <0.43 | <3 | < 0.372 |
| PFDoS | <5.18 | <8.63 | <2.47 | <49 | <0.44 | <3 | < 0.372 |
| OSA | <40.7 | <8.41 | <1.55 | <29 | <0.78 | 3.83J | 0.960J |
| N-MeFOSA | <8.05 | <4.48 | <10 | <59 | <0.49 | <3.45 | < 0.372 |
| N-MeFOSE | <4.05 | <4.16 | <2.81 | <60 | <0.31 | <30 | < 0.372 |
| N-EtFOSE | <4.13 | <4.72 | <2.12 | <44 | <0.47 | <22.4 | < 0.372 |
| :2 FTSA | 14.7 | 3.52F | <1.90 | <41 | <0.53 | <12 | <1.49 |
| i:2 FTSA | 47,800 | 11,700 | 232 | 9,000 | 270D | 11,000 | <1.34 |
| :2 FTSA | 6.54F | 12 | <2.62 | <75 | 1.6J | 13.1 J,B | <1.26 |
| 0:2 FTSA | <4.34 | NR | NR | NR | NR | NR | NR |
| ONA | <4.21 | <0.980 | <1.28 | <23 | <0.49 | <12 | <1.49 |
| GenX (HPFO-DA) | <5.28 | <1.41 | <1.92 | <97 | <0.5 | <11.4 | <1.49 |
| CI-PF3ONS | <4.20 | <1.38 | <1.82 | <22 | <0.29 | <12 | <1.49 |
| 11CI-PF3OUdS | <3.94 | <1.36 | <1.49 | <31 | <0.42 | <12 | <1.49 |

10/12/20 It should be noted the samples were shipped and received next day but analyzed past 30 days holding time

ng/L = nanograms per liter (parts per trillion) < = compound below laboratory detection limit

Bold indicates laboratory detections B=Analyte detected in the field blank

F/J = result is between laboratory limit of detection and laboratory limit of quantitation

NR = Not reported. 10/12/20 The lab reported the PFBA results were suspect due to a large interference peak that elutes at the same time. As a result, PFBA has been removed from their list since they cannot stand behind the results. New run methods will be put in place to be able to report the PFBA more accurately in the future.

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8)
PFBS (375-73-5) Perfluorocbutanesulfonic Acid (C4)
PFHpA = (375-85-9) Perfluorobeptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononancia Acid (C9)
PFDA (335-76-2) Perfluorodecanoic Acid (C10)
PFDoA (307-55-1) Perfluorodecanoic Acid (C12)
PFHxA (307-24-4) Perfluorodexanoic Acid (C6)

PFDa (307-55-1) Perfluorodotecanoic Acid (C12)
PFHx8 (307-24-4) Perfluorothexanoic Acid (C6)
PFTeDa (376-66-7) Perfluorothexanoic Acid (C14)
PFTTDA (72629-94-8) Perfluorothexanoic Acid (C14)
PFTDA (72629-94-8) Perfluorothexanoic Acid (C13)
PFUnA (2085-94-8) Perfluorothecanoic Acid (C11)
N-EIFOSAA (2991-95-6) N-ethylperfluorocotanesulfonamidoacetic Acid (C12)
N-MeFOSAA (2951-95-6) N-ethylperfluorocotanesulfonamidoacetic Acid (C12)
PFBA (375-92-4) Perfluorotheranoic Acid (C3)
PFPBS (375-92-8) Perfluorotheranoic Acid (C5)
PFPBS (375-92-8) Perfluorotheranoic Acid (C7)
PFPS (3629-92-12) Perfluoronanesulfonic Acid (C7)
PFDS (375-92-8) Perfluorotheranesulfonic Acid (C10)
PFDS (375-92-8) Perfluorodecanesulfonic Acid (C10)
PFDS (375-93-9-7) Perfluorodecanesulfonic Acid (C10)
PFDS (375-93-9-7) Perfluorodecanesulfonic Acid (C12)
FOSA (754-91-8) Perfluorocdanesulfonamide (C10)
N-EIFOSE (4151-50-2) N-ethylperfluorocotanesulfonamide (C10)
N-MeFOSA (5156-93-2) N-ethylperfluorocotanesulfonamide (C10)
N-MeFOSE (24448-95-7) N-methylperfluorocatanesulfonamide (C11)
N-EIFOSE (1916-99-2) N-ethylperfluorocotanesulfonamide (C10)
N-EIFOSE (3619-99-2) Perfluorodecimer sulfonate (C8)
2-FTSA (27519-47-2) 2-2 fluorotelomer sulfonate (C8)
2-FTSA (27519-47-2) 2-2 fluorotelomer sulfonate (C1)
10-2-FTSA (192226-60-0) 10-2 fluorotelomer sulfonate (C12)
CDONA (919005-14-4) 4-8 fluorotelomer sulfonate (C10)
10-2-FTSA (192226-60-0) 10-2 fluorotelomer sulfonate (C10)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6)
9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)
11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3-oxanudecane-1-sulfonic acid (C10)

| Monitoring Well | | | PC | OND | | |
|----------------------|-------------------------|---------------|----------|------------|----------|-----------|
| Lab | State Lal | b of Hygiene | Pace A | nalytical | S | 3S |
| Sampling Date | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 | 6/2/2021 | 7/12/2022 |
| PERFLUOROALKYL & POL | YFLUOROALKYL SUBSTANCES | (PFAS) (ng/L) | | | | |
| PFOA | 2.75F | 3.79F | 4.7J | 83 | 4.18 | <0.375 |
| PFOS | 1.84F | <1.43 | <8.8 | 1.9 | 28.8 B | <0.375 |
| PFBS | 13.8 | 11.3 | 12J | 14 | 15.8 | < 0.375 |
| PFHpA | 187 | 117 | 190 | 2,600D | 191 | <0.375 |
| PFHxS | <0.897 | <1.42 | <2.4 | 4 | 5.01 B | <0.375 |
| PFNA | <1.5 | 1.63F | <2 | 1.6J | 1.21J | < 0.375 |
| PFDA | <1.45 | 1.86F | <2.3 | <0.55 | <0.370 | <0.375 |
| PFDoA | <2.47 | <2.71 | <2.1 | <0.47 | <0.370 | <0.300 |
| PFHxA | 634 | 338 | 640 | 17,000 I,D | 494 | <0.375 |
| PFTeDA | <4.77 | <1.75 | <2.6 | <0.46 | 0.409J | <0.375 |
| PFTrDA | <2.37 | <1.93 | <2.3 | <0.61 | <0.370 | <0.375 |
| PFUnA | <1.82 | <2.22 | <2.8 | <0.53 | <0.370 | <0.375 |
| N-EtFOSA | <3.04 | <6.94 | <6 | <0.59 | <0.925 | <1.05 |
| N-EtFOSAA | <2.86 | <2.12 | <3.3 | <0.54 | <0.370 | < 0.375 |
| N-MeFOSAA | <1.88 | <2.19 | <4.1 | <0.42 | <0.370 | < 0.375 |
| PFBA | 147 | 112 | 180 | 5,600D | 197 | <1.5 |
| PFPeA | 888 | 486 | 980 | 35,000D | 850 | <0.750 |
| PFPeS | <0.813 | <1.36 | <2.6 | <0.46 | 0.501J | <0.377 |
| PFHpS | <1.08 | <1.90 | <2.2 | <0.4 | <0.370 | <0.375 |
| PFNS | <1.84 | <1.82 | <3.1 | <0.44 | <0.370 | < 0.375 |
| PFDS | <1.90 | <2.57 | <3.4 | <0.44 | <0.370 | <0.375 |
| PFDoS | <8.63 | <2.47 | <4.6 | <0.45 | <0.370 | <0.375 |
| FOSA | <8.41 | <1.55 | <2.7 | <0.8 | <0.370 | 0.627J |
| N-MeFOSA | <4.48 | <10 | <5.6 | <0.5 | <0.425 | <0.375 |
| N-MeFOSE | <4.16 | <2.81 | <5.7 | <0.32 | <3.70 | <3.75 |
| N-EtFOSE | <4.72 | <2.12 | <4.2 | <0.48 | <2.77 | <3.75 |
| 4:2 FTSA | <2.13 | <1.90 | <3.9 | 99 | <1.48 | <1.5 |
| 6:2 FTSA | 574 | 248 | 470 | 4,200D | 418 | <1.35 |
| 8:2 FTSA | <1.28 | <2.62 | <7.1 | <0.64 | <1.48 | <1.28 |
| 10:2 FTSA | NR | NR | NR | NR | NR | NR |
| DONA | <0.981 | <1.28 | <2.1 | <0.5 | <1.48 | <1.50 |
| GenX (HPFO-DA) | <1.41 | <1.92 | <9.2 | 0.64J | <1.41 | <1.50 |
| 9CI-PF3ONS | <1.38 | <1.82 | <2.1 | <0.3 | <1.48 | <1.50 |
| 11CI-PF3OUdS | <1.37 | <1.49 | <2.9 | <0.43 | <1.48 | <1.50 |

ng/L = nanograms per liter (parts per trillion) < = compound below laboratory detection limit

B=Analyte detected in the field blank D=Sample Dilution F/J = result is between laboratory limit of detection and laboratory limit of quantitation

PFOA (355-67-1) Perfluoroctanoic Acid (C8)

PFOS (1963-23-1) Perfluoroctanesulfonic Acid (C8) PFBS (375-73-5) Perfluorobutanesulfonic Acid (C4)

PFHpA = (375-85-9) Perfluoroheptanoic Acid (C7)
PFHxS = (355-46-4) Perfluorohexanesulfonic Acid (C6)

PFNA (375-95-1) Perfluorononanoic Acid (C9) PFDA (335-76-2) Perfluorodecanoic Acid (C10)

PFDoA (307-55-1) Perfluorododecanoic Acid (C12) PFHxA (307-24-4) Perfluorohexanoic Acid (C6)

PFTeDA (376-06-7) Perfluorotetradecanoic Acid (C14) PFTrDA (72629-94-8) Perfluorotridecanoic Acid (C13)

PFUNA (2058-94-8) Perfluoroundecanoic Acid (C11) N-EtFOSAA (2991-50-6) N-ethylperfluorooctanesulfonamidoacetic Acid (C12)

N-MeFOSAA (2355-31-9) N-methyperfluorooctanesulfonamidoacetic Acid (C11) PFBA (375-22-4) Perfluoroburanoic Acid (C4)

PFPeA (2706-90-3) Perfluoropentanoic Acid (C5)
PFPeS (2706-91-4) Perfluoropentanesulfonic Acid (C5)

PFHpS (375-92-8) Perfluoroheptanesulfonic Acid (C7) PFNS (68259-12-1) Perfluorononanesulfonic Acid (C9)

PFDS (335-77-3) Perfluorodecanesulfonic Acid (C10) PFDoS (79780-39-5) Perfluorododecanesulfonic Acid (C12)

FOSA (754-91-6) Perfluorooctainesulfonamide (C8) N-EtFOSA (4151-50-2) N-ethylperfluorooctanesulfonamide (C10)

N-MeFOSA (31506-32-8) N-methylperfluorooctanesulfonamide (C9) N-MeFOSE (24448-09-7) N-methylperfluorooctanesulfonamidoethanol (C11)

N-EtFOSE (1691-99-2) N-ethylperfluorooctanesulfonamidoethanol (C12) 4:2 FTSA (757124-72-4) 4:2 fluorotelomer sulfonate (C6)

6:2 FTSA (27619-97-2) 6:2 fluorotelomer sulfonate (C8) 8:2 FTSA (39108-34-4) 8:2 fluorotelomer sulfonate (C10)

10:2 FTSA (120226-60-0) 10:2 fluorotelomer sulfonate (C12) DONA (919005-14-4) 4,8-Dioxa-3H-perfluorononanoic acid (C7)

GenX (13252-13-6) Hexafluoropropylene oxide dimer acid (C6) 9CI-PF3ONS (756426-58-1) 9-clorohexadecafluoro-3-oxaneonane-1-sulfonic acid (C8)

11CI-PF3OUdS (763051-92-9) 11-chloroeicosafluoro-3oxaundecane-1-sulfonic acid (C10)

TABLE A.6 WATER LEVEL ELEVATIONS THE SOLBERG COMPANY

1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN

| Monitoring Well Number | Top of Well Casing Elevation (MSL) | Ground Surface Elevation (MSL) | Screened Interval Elevation (MSL) | Date Measured | Depth To Water Below Top Of Casing (Ft.) | Groundwate Elevation (Ft.) (MSL) |
|------------------------------|--|-----------------------------------|--------------------------------------|-----------------------|--|--|
| | 1 | | | 11/26/2019 | 2.61 | 588.02 |
| | | 585.58 | 12/13/2019 | 2.70 | 587.93 | |
| | | 588.80 | | 3/24/2020 | 2.65 | 587.98 |
| MW-1 | 590.63 | | 575.58 | 6/11/2020 | 2.68 | 587.95 |
| IVI VV - I | 590.63 | | | 10/12/2020 | 6.48 | 584.15 |
| | | | | 6/2/2021 | 4.12 | 586.51 |
| | | | | 5/13/2022 | 4.55 | 586.08 |
| | | | | 7/12/2022 | 5.12 | 585.51 |
| | | | | 11/26/2019 | 3.01 | 587.83 |
| | | | 585.79 | 12/13/2019 | 3.03 | 587.81 |
| | | 588.96 | | 3/24/2020 | 3.00 | 587.84 |
| MW-2 | 590.84 | | 575.79 | 6/11/2020 | 3.06 | 587.78 |
| IVI VV-Z | 590.64 | | | 10/12/2020 | 6.69 | 584.15 |
| | | | | 6/2/2021 | 3.85 | 586.99 |
| | | | | 5/13/2022 | 4.85 | 585.99 |
| | | | | 7/12/2022 | 5.24 | 585.60 |
| | | | | 11/26/2019 | 3.01 | 587.87 |
| | | | 585.83 | 12/13/2019 | 3.03 | 587.85 |
| | | 588.95 | j | 3/24/2020 | 3.00 | 587.88 |
| MW-3 | 590.88 | | 575.83 | 6/11/2020 | 3.06 | 587.82 |
| INIAA-2 | 350.00 | | | 10/12/2020 | 6.69 | 584.19 |
| | | | j | 6/2/2021 | 3.98 | 586.90 |
| | | | | 5/13/2022 | 4.35 | 586.53 |
| | | | | 7/12/2022 | 4.41 | 586.47 |
| | | | | 5/26/2021 | 3.65 | 586.28 |
| | | | 583.27 | 6/2/2021 | 3.12 | 586.81 |
| MW-4 | 589.93 | 587.62 | | 7/12/2022 | 3.66 | 586.27 |
| | | | 573.27 | | | |
| | | 588.06 | | 5/26/2021 | 2.94 | 586.84 |
| | | | 585.48 | 6/2/2021 | 2.65 | 587.13 |
| MW-5 | 589.78 | | | 7/12/2022 | 3.10 | 586.68 |
| | | | 575.48 | | | |
| | | | | 5/26/2021 | 3.12 | 586.78 |
| | | | 583.13 | 6/2/2021 | 2.32 | 587.58 |
| MW-6 | 589.9 | 588.09 | | 7/12/2022 | 3.19 | 586.71 |
| | | | 573.13 | 7712,2022 | 5.10 | 000.71 |
| | | | | 5/26/2021 | 2.95 | 586.66 |
| | | | 584.68 | 6/2/2021 | 2.85 | 586.76 |
| MW-7 | 589.61 | 587.31 | 33 2.00 | 7/12/2022 | 3.09 | 586.52 |
| | | 557.57 | 574.68 | 111212022 | 0.00 | 000.02 |
| | | | | 5/26/2021 | 4.06 | 586.21 |
| | | | 585.33 | 6/2/2021 | 3.49 | 586.78 |
| MW-8 | 590.27 | 588.4 | | 7/12/2022 | 3.79 | 586.48 |
| - | | | 575.33 | | | |
| | | | | 5/26/2021 | 5.01 | 585.19 |
| | | | 585.33 | 6/2/2021 | 4.08 | 586.12 |
| MW-9 | 590.2 | 588.02 | 333.00 | 7/12/2022 | 4.91 | 585.29 |
| - | | | 575.33 | .,.L,L0LL | | 000.20 |
| | | | | 5/27/2024 | 5.60 | 504.70 |
| | | | 585.37 | 5/27/2021 6/2/2021 | 5.69 3.84 | 584.72 586.57 |
| MW-10 590.41 | 590.41 | 588.3 | 303.37 | 7/12/2022 | 3.84 4.73 | 585.68 |
| | 220.71 | 588.3 | 575.37 | 1112/2022 | 4.13 | 300.00 |
| | | | | E /27/2024 | 5.20 | E0E 40 |
| | | | 505.47 | 5/27/2021 | 5.30 | 585.16 |
| M10/ 44 | E00.46 | 500.4 | 585.47 | 6/2/2021 | 4.21 | 586.25 |
| MW-11 | 590.46 | 588.4 | F7F /- | 5/13/2022 | 4.55 | 585.91 |
| | | | 575.47 | 7/12/2022 | 5.06 | 585.40 |

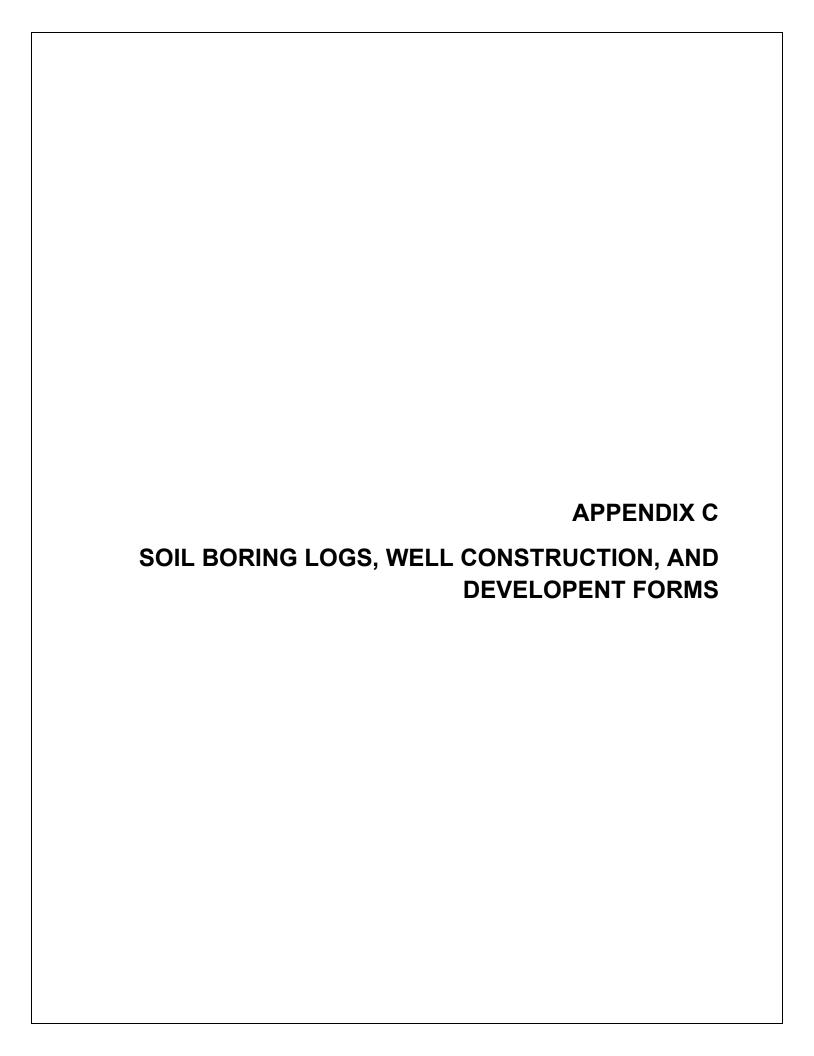
Elevations are referenced to Mean Sea Level (MSL). ft = feet

TABLE A.6 WATER LEVEL ELEVATIONS THE SOLBERG COMPANY

1520 BROOKFIELD AVENUE, VILLAGE OF HOWARD, WISCONSIN

| Monitoring Well Number | Top of Well Casing Elevation (MSL) | Ground Surface Elevation (MSL) | Screened Interval Elevation (MSL) | Date Measured | Depth To Water Below Top Of Casing (Ft.) | Groundwater Elevation (Ft.) (MSL) |
|------------------------------|--|-----------------------------------|--------------------------------------|------------------|--|---|
| | | | 585.22 | 7/11/2022 | 4.40 | 586.34 |
| MW-12 | 590.74 | 588.37 | | 7/12/2022 | 4.56 | 586.18 |
| | | | 575.2 2 | | | |
| | | | 585.19 | 7/11/2022 | 5.26 | 585.60 |
| MW-13 | 590.86 | 588.32 | | 7/12/2022 | 5.34 | 585.52 |
| | 000.00 | 000.02 | 575.19 | | | |
| | | | 586.73 | 7/11/2022 | 1.57 | 586.43 |
| BANA/ 4 4 | 500 | 500.40 | | 7/12/2022 | 1.69 | 586.31 |
| MW-14 | 588 | 588.43 | Ī | | | |
| | | | 576.73 | | | |
| | | | 584.8 | 7/11/2022 | 1.88 | 585.85 |
| MW-15 | 587.73 | 588.24 | <u> </u> | 7/12/2022 | 2.00 | 585.73 |
| | 007.110 | 000.24 | ` | | | |
| | | | 574.8 | | | |
| | | | 586.03 | 7/11/2022 | 7.85 | 583.78 |
| MW-16 | 591.63 | 589.46 | - | 7/12/2022 | 5.09 | 586.54 |
| | | | 576.03 | | | |
| | | | 584.74 | 7/11/2022 | 3.50 | 587.02 |
| MW-17 | 590.52 | 589.46 | | 7/12/2022 | 3.74 | 586.78 |
| | | | 574.74 | | | |
| | | | 566.47 | 5/27/2021 | 5.39 | 585.53 |
| PZ-1 | 590.92 | 588.56 | Ţ | 6/2/2021 | 4.40 | 586.52 |
| PZ-1 | 590.92 | 500.50 | | 7/12/2022 | 4.55 | 586.37 |
| | | | 561.47 | | | |
| | | | 565.05 | 7/11/2022 | 11.35 | 579.33 |
| PZ-2 | 590.68 | 588.32 | | 7/12/2022 | 4.98 | 585.70 |
| | | | 560.05 | | | |

Elevations are referenced to Mean Sea Level (MSL).



| Route To: | |
|--------------------|--------|
| Solid Waste | |
| Emergency Response | |
| Mactowator | \Box |

Haz. Waste Underground Tanks Water Resources

Soil Boring Log Information Form 4400-122

| | | | | | □Other | | | | | | | | | Page 1 of 1 | | | | |
|--|-------------------------|------------------------|----------------------------------|-------|--|---------------|-------|---|--------------|---------------|---------|----------|--------------|---------------|--|--|--|--|
| | | ct Name | | GE | C Project No. | Wis. Uni | que N | о. | Boring | y Num | ber | | | | | | | |
| The Solberg Company - Site 2 | | | | | 2-0919-397B N/A Drilling Method Borehole Diameter | | | | | | | | | | | | | |
| Boring Drilled By (Firm name and name of crew chief) On-Site Environmental | | | | | • | B-13 / MW-12 | | | | | | | | | | | | |
| | | | | | Direct Push | D-10/ WW-12 | | | | | | | | | | | | |
| | Kapu | | Date Drilling Ended | & HSA | ie N, | E | | WTI | 101 | | DND (| County | Code | | | | | |
| Date L | _ | | | | ing Location State Plan | | | Х | 6742 | | | DINK | Journey | | | | | |
| | 7/11 | /2022 | 7/11/2022 | ΝV | V- SE, Sect. 3, T24N | I, R20E | | Ŷ | 4585 | | | | | 5 | | | | |
| Local | Grid Lo | cation (If applica | ble) | Cou | inty | | | Civil T | own / 0 | | illage | | | | | | | |
| Feet S | ; | Feet | W | Bro | own | | | Villad | ge of Howard | | | | | | | | | |
| | | | | v mag | , o o | T T | | Ī | | | | | | | | | | |
| • | n Below e/Elev. (ft) | VIS | SUAL SOIL CLAS | | | Sample No. | uscs | Graphic Log | Well | Blow Count | N value | Odor | PID (ppm) | Remarks | | | | |
| 0440 | , , | Disale Cite CAN | Ground Surface E | | | | | | | | | | | | | | | |
| - | | - | D with organics, moist (T | opso | ll) | | OL | 1333 | | | | | | | | | | |
| 1 — | -1.0 | Tan, Silty SAND | , moist to wet | | | | | ł I I ł | | | | | | Lab sample | | | | |
| - | | | | | | | | ΗIIΗ | | | | | | Sample | | | | |
| 2 — | -2.0 | | | | | | | ffff. | | | | | | _ | | | | |
| _ | _ | Tannish gray, Si | ilty SAND , wet | | | SS-1 | | | | | | No | 0 | - | | | | |
| 3 — | -3.0 | | | | | | | †II† | ΙH | | | | | _ | | | | |
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| 4 — | -4.0 | | | | | | | † † † † | l H | | | | | _ | | | | |
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| 5 — | -5.0 | | | | | | | | lΒ | | | | | _ | | | | |
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| 6 — | -6.0 | | | | | | | † I I † | | | | | | | | | | |
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| 7 — | -7.0 | | | | | | | †II† | Ш | | | | _ | _ | | | | |
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| 8 — | -8.0 — | | | | | | | †II† | | | | | | _ | | | | |
| - | _ | | | | | | | † | lΗ | | | | | - | | | | |
| 9 — | -9.0 | Tannish gray, Si | ilty CLAY, wet | | | | | 777 | 10 | | | | | | | | | |
| - | - | | | | | | | []]] | l A | | | | | - | | | | |
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| ··· - | -11.0 | | | | | | | 7777 | l A | | | | | _ | | | | |
| 12 | -12.0 | | | | | | CL | V/// | Ш | | | | | | | | | |
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| 13 — | -13.0 | | | | | | | [77] | B | | | '' | Ŭ | | | | | |
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| 14.0 — | -14.0 | | | | | | | [/// | | | | | | | | | | |
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| 16.0 | -16.0 | | | | | | | | | | | | | - | | | | |
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| Signat | | | | | Brian Youngwirth | | G | enera | l Engi | ineer | ina C | ompa | anv | | | | | |
| - | | Brian | Goungwirth | | | | | | lver Lak | | _ | - | - | | | | | |
| | | | 0 | | | | | | | ge WI | | | | | | | | |

| State of Wisconsin |
|---------------------------------|
| Department of Natural Resources |

| Route To: | |
|--------------------|--|
| Solid Waste | |
| Emergency Response | |
| Wastewater | |

| 11 147 | |
|------------------|----|
| Haz. Waste | |
| Underground Tank | (S |
| Water Resources | |
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Soil Boring Log Information Form 4400-122

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Page 1 of 1

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| | | ct Name | | | C Project No. | Wis. Un | ique N | No. | Boring | g Num | ber | | | | | | | | |
| The Solberg Company - Site 2 | | | | | 2-0919-397B N/A | | | | | | | | | | | | | | |
| | | | and name of crew chief) | Drilling Method Borehole Diameter | | | | | | B-14 / MW-13 | | | | | | | | | |
| | | /ironmental | | | Direct Push | | | | - ı - | / IV | | 13 | | | | | | | |
| | e Kapu | | _ | & H S A 2" / 8" | | | | | | | | | | | | | | | |
| Date I | Orilling S | Started | Date Drilling Ended | ing Location State Pl | ane N, | Е | | WTI | | | DNR (| County | Code | | | | | | |
| | 7/11 | /2022 | 7/11/2022 | NΜ | /- SE, Sect. 3, T24 | IN, R20E | <u> </u> | X | 6742 | | | 5 | | | | | | | |
| | | | | | | | | Y | 4585 | | | | | | | | | | |
| Locai Feet S | | cation (If applica | | Cou | - | | | | own / 0 | - | _ | | | | | | | | |
| Feet S Feet W Brown Village of Howard | | | | | | | | | | | d | | | | | | | | |
| Dont | h Below | VII | SUAL SOIL CLAS | 201 | ICATION . | Sample | | Graphic | | Blow | | | PID | | | | | | |
| | e/Elev. (ft) | V 1. | | | | No. | uscs | Log | Well | Count | N value | Odor | (ppm) | Remarks | | | | | |
| | I | Black Silty SAN | Ground Surface E ID with organics, moist (1) | | | | | ATT | | | <u> </u> | | | | | | | | |
| - | 1 - | Black, City CAI | With Organios, moist (1 | ороо | '/ | | OL | 1355 | | | | | | [| | | | | |
| 1 — | -1.0 — | Gray, Silty SAN I | D. maiat | | | | | 1333 | 4 | | | | | Lab sample | | | | | |
| - | <u> </u> | Gray, Silly SAN | D, Moist | | | | | †↓↓† | | | | | | Sample | | | | | |
| 2 — | -2.0 | T 016 . 04 NB | | | | | | 11111 | | | | | | _ | | | | | |
| - | - | Tan, Silty SAND |), wet | | | SS-1 | | 1+11+ | | | | No | 0 | _ | | | | | |
| 3 — | -3.0 — | | | | | | | 1111 | Н | | | | | _ | | | | | |
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| 4 — | -4.0 | | | | | | | 11111 | | | | | | <u> </u> | | | | | |
| - | - | | | | | | | 11111 | H | | | | | _ | | | | | |
| 5 — | -5.0 | | | | | | _ | $\prod_{i \in I} \prod_{j \in I} a_j$ | | | | | | _ | | | | | |
| ٠ <u> </u> | -5.0 | Tannish gray, Si | ilty SAND , wet | | | | | II+I | IH | | | | | _ | | | | | |
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| 0- | -6.0 | | SILT with organics, wet | | | | OL | 1333 | 1 🛛 | | | | | _ | | | | | |
| | | Tannish gray, Si | ilty SAND , wet | | | | SM | ‡‡‡‡ | H | | | | | - | | | | | |
| 7— | -7.0 | Tannish gray, Si | ilty CLAY, wet | | | | | 777 | 10 | | | | | | | | | | |
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| 8 — | -8.0 | | | | | | | <i>[///</i> / | | | | | | _ | | | | | |
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| Signat | | | | | Brian Youngwir | | G | enera | l Ena | ineer | ing C | ompa | any | | | | | | |
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| | | vruin | Goungwirth | • | | | | | | ae WI | | | | | | | | | |

| State of Wisconsin |
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| Department of Natural Resources |

| Route To: | |
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| Solid Waste | □Ha |
| Emergency Response | Un |
| Mactowator | □\\/ _* |

| Haz. Waste |
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| Underground Tanks |
| Water Resources |
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Soil Boring Log Information Form 4400-122

| | | | | | □Other | | | | | | | | | Page 1 of 1 | | | |
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| | | ct Name | | GE | C Project No. | Wis. Uni | que N | lo. | Boring | g Num | ber | | | | | | |
| The Solberg Company - Site 2 | | | | | 2-0919-397B N/A | | | | | | | | | | | | |
| | | | and name of crew chief) | Drilling Method Borehole Diameter | | | | | | R | -15 | / M | / MW-14 | | | | |
| | | vironmental · | | | Direct Push | | | | | | | | | | | | |
| | Kapu | | In. c. p. w | I | & HSA | | " / 8" | 1 | \A/TI | 104 | | IDND (| IR County Code | | | | |
| Date L | Orilling S | | Date Drilling Ended | | ing Location State Plan | | Е | | WTI 6742 | | | DNK | Jounty | Code | | | |
| | 7/11 | /2022 | 7/11/2022 | N۷ | V- SE, Sect. 3, T24N | l, R20E | | X | 4585 | | | | | 5 | | | |
| Local | Grid Lo | cation (If applica | able) | Cou | ınty | | | Civil T | | | illage | 1 | | | | | |
| Feet S | | Feet | | | own | | | | I Town / City / Village age of Howard | | | | | | | | |
| | 1 | | | T | 1 | villag | 1 | Towar | | | | | | | | | |
| | n Below e/Elev. (ft) | VIS | SUAL SOIL CLAS | SSIF | FICATION | Sample No. | uscs | Graphic Log | Well | Blow Count | N value | Odor | PID (ppm) | Remarks | | | |
| Suriace | | | Ground Surface E | | | 140. | | Log | | Count | | | (ppiii) | | | | |
| - | - | Black, Silty SAN | ID with organics, moist (T | opso | il) | | OL | 1533 | | | | | | _ | | | |
| 1 — | -1.0 | _ | | | | | | 1333 | | | | | | | | | |
| - | - | Tan, Silty SAND |), moist to wet | | | | | | | | | | | | | | |
| 2 — | -2.0 | | | | | | | | | | | | | _ | | | |
| - | - | Tannish gray, Si | iltv SAND. wet | | | SS-1 | | | | | | No | 0 | = | | | |
| 3 — | -3.0 | 3 7, | , | | | | | I†↓↓† | ΙН | | | | | _ | | | |
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| 4 — | -4.0 | | | | | | SM | l∔Ï Ĭ∔ | ΙA | | | | | <u> </u> | | | |
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| 7 — | -7.0 — | Gray, Clayey SI | IT wet | | | | | 1111 | łΗ | | | | | | | | |
| _ |]] | | | | | SS2 | ML | | J | | | No | 0 | _ _ | | | |
| 8 — | -8.0 — | Gray, Silty SAN I | SILT with organics, wet | | | _ | OL | 1333 | ł A | | | | | | | | |
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| 9 — | -9.0 | | | | | | | † ‡ ‡ † | l A | | | | | | | | |
| _ |]] | Tannish gray, Si | ilty CLAY, wet | | | | | 77/ | 18 | | | | | _ | | | |
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| 15 — | _15 _ | | | | | | | <u>///</u> / | <u></u> | | | | | _ | | | |
| 15 — | -15 — | | END OF BORIN | G: 1 | 15.0' | | | | | | | | | _ | | | |
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| Signat | ure | 8. | Clause it | | Brian Youngwirth | ⊢irm | G | enera | _ | | _ | - | - | | | | |
| | | v ruin | Goungwirth | | | | | 910 51 | lver Lal Porta | ge WI | | UN 34(| J | | | | |
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| Route To: | |
|--------------------|----|
| Solid Waste | □н |
| Emergency Response | Πu |
| Wastewater | |

☐ Haz. Waste
☐ Underground Tanks
☐ Water Resources
☐ Other

Soil Boring Log Information Form 4400-122

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Page 1 of 1

| Facility / Project Name | | | | GF | C Project No. | Wis U | nique l | No. | Boring Number | | | | | | | | | |
|------------------------------|---------------------|--------------------|------------------------------|---|----------------------------|--------------|----------|--|---------------|------------------|---------|-----------------|--------------|---------|--|--|--|--|
| The Solberg Company - Site 2 | | | | GEC Project No. Wis. Unique No. 2-0919-397B N/A | | | | | 20g Hullisol | | | | | | | | | |
| Boring | Drilled | By (Firm name a | and name of crew chief) | Drilling Method Borehole Diameter | | | | | | - D 46 / NAVA 45 | | | | | | | | |
| | | vironmental | | Direct Push 2" / 8" | | | | | | B-16 / MW-15 | | | | | | | | |
| | Kapug | | T | | & HSA | | | | | | | | | | | | | |
| Date D | rilling S | started | Date Drilling Ended | Bor | ing Location State Pla | ine N, | Е | | WTI | | | DNR County Code | | | | | | |
| | 7/11 | /2022 | 7/11/2022 | N۷ | V- SE, Sect. 3, T24 | N, R20 | Ε | X | 6742 4585 | | | | 5 | | | | | |
| Local | Grid Lo | cation (If applica | ble) | Cou | unty | | | | | | illage | <u> </u> | | | | | | |
| Feet S | | Feet | | | own | | | Civil Town / City / Village Village of Howard | | | | | | | | | | |
| | | | | | | | | villa | 1 | TOwar | u | | | | | | | |
| | Below Elev. (ft) | VIS | SUAL SOIL CLAS | SSII | FICATION | Sampl No. | uscs | Graphic Log | Well | Blow Count | N value | Odor | PID (ppm) | Remarks | | | | |
| Surrace | /Elev. (II) | D 11 1 11 1 | Ground Surface E | levat | ion: | 140. | | Log | | Count | | | (ppiii) | | | | | |
| - | - | Drilled without sa | ampling to 13.0 feet | | | | | | | | | | | = | | | | |
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| - | - | | | | | | | | lΒ | | | | | - | | | | |
| 10 — | -10 | | | | | | | | l B | | | | | _ | | | | |
| _ | _ | | | | | | | | Ш | | | | | _ | | | | |
| 11 — | -11.0 — | | | | | | | | Н | | | | | _ | | | | |
| | - | | | | | | | | 1 Ш | | | | | - | | | | |
| 12 — | -12.0 | | | | | | | | Ш | | | | | _ | | | | |
| 1 |] | | | | | | | | ΙĦ | | | | | 7 | | | | |
| 13 — | -13.0 | | END OF BORIN | ıG· ′ | 13.0' | | | | | | | | | _ | | | | |
| 44.0 | 44.0 | | D O. DOM | | . ÷.• | | | | | | | | | - | | | | |
| 14.0 — | -14.0 —— | | | | | | | 1 | | | | | | | | | | |
| 15 — | -15 | | | | | | | 1 | | | | | | | | | | |
| - | -13 | | | | | | | | | | | | | 7 | | | | |
| 16.0 — | -16.0 — | | | | | | | | | | | | | | | | | |
| _ | - | | | | | | | | | | | | | - | | | | |
| 17.0 — | -17.0 | | | | | | | 1 | | | | | | | | | | |
| - | _ | | | | | | | 1 | | | | | | = | | | | |
| 18.0 | -18.0 | | | | | | | | | | | | | _ | | | | |
| _ | | | | | | | | | | | | | | _ | | | | |
| l horal | W cortifi. | that the informat | ion on this form is true and | 1 00= | ect to the boot of my long | wledge | <u> </u> | 1 | | <u> </u> | | | | | | | | |
| Signat | uro | | | a 0011 | Brian Youngwirth | | G | enera | l Eng | ineer | na C | ompa | anv | | | | | |
| Ü | 2 | Brian G | loungwirth | | | | • | | ilver Lal | | | | | | | | | |
| | | 0 | U | | | | | | | ge WI | | | | | | | | |

| Route To: | |
|--------------------|--|
| Solid Waste | |
| Emergency Response | |
| Wastewater | |
| | |

| - |
|-------------------|
| Haz. Waste |
| Underground Tanks |
| Water Resources |
| 1 |

Soil Boring Log Information Form 4400-122

| | | | | | □Other | | | | | | | | | Page 1 of 1 |
|-------------------|--------------|-------------------------|-------------------------------------|--------|---------------------------|---------------|---------|----------------|------------|---------------|---------|------------|--------------|---|
| | | ct Name | | GE | C Project No. | Wis. Un | ique N | lo. | Boring | g Num | ber | | | |
| The | Solbe | erg Compar | ny - Site 2 | 2-0 | 919-397B | N/A | | | | | | | | |
| | | | and name of crew chief) | • | Drilling Method | Boreho | e Dia | neter | | D | 17 | / R/ | I\A/ | 16 |
| On-S | ite Env | rironmental | | | Direct Push | , | 2" / 8' | 1 | | D | - 1 / | / N | I V V - | 10 |
| Tony | Kapug | ji | | | & HSA | 4 | . / 0 | | | | | | | |
| Date D | Prilling S | tarted | Date Drilling Ended | Bor | ing Location State Pla | ne N, | Е | | WT | W91 | | DNR (| County | / Code |
| | 7/11 | /2022 | 7/11/2022 | NIV | V- SE, Sect. 3, T24 | N DONE | | X | 6742 | 99 | | | | 5 |
| | 7/11 | 12022 | 7/11/2022 | INV | V- 3E, 3ect. 3, 124 | N, NZUL | - | Υ | 4585 | 37 | | | | 5 |
| Local | Grid Lo | cation (If applica | | Cou | ınty | | | Civil T | own / 0 | City / V | 'illage | | | |
| Feet S | i | Feet | W | Bro | own | | | Villad | ge of H | lowar | d | | | |
| | | | | | | | ī | |) · · T | 1 | | 1 | ı | I |
| | Below | VIS | SUAL SOIL CLAS | SSIF | FICATION | Sample No. | uscs | Graphic Log | Well | Blow Count | N value | Odor | PID (ppm) | Remarks |
| Surrace | e/Elev. (ft) | | Ground Surface E | | | NO. | | Log | | Count | | | (ppiii) | |
| _ | _ | Black, Silty SAN | D with organics, moist (T | opso | il Fill) | | | 1333 | | | | | | - |
| | | | | | | | | 1533 | | | | | | Lab |
| 1 — | -1.0 — | | | | | | OL | 1777 | | | | | | sample |
| _ | _ | | | | | | | 1451 | | | | | | - |
| 2 — | -2.0 | | | | | | | 1335 | | | | | | _ |
| | _ | Gray and black, | Silty SAND , trace gravel, ı | moist | (FILL) | SS-1 | | | | | | No | 0 | _ |
| 3 — | -3.0 | | | | | | | | ΙH | | | | | _ |
| _ | | | | | | | FILL | | Ш | | | | | |
| 4 — | -4.0 | | | | | | ' | | I A | | | | | _ |
| _ | - | | | | | | | | H | | | | | - |
| 5 — | -5.0 | | | | | | | | 1 🛮 | | | | | |
| Ť - | - | Tan, Silty SAND | , wet | | | | |] | ΙH | | | | | - |
| - | -6.0 | | | | | | | | lН | | | | | - |
| _ | -0.0 | | | | | | | | П | | | | | _ |
| _ | _ | | | | | | | * * | H | | | | | - |
| 7— | -7.0 | | | | | | | ╽┧╏╏╽ | | | | | | |
| _ | _ | Tannish gray, Si | lty SAND , wet | | | SS2 | | 🛉 🛉 | ΙД | | | No | 0 | _ |
| 8 — | -8.0 | | | | | | | † † | H | | | | | _ |
| _ | | | | | | | SM | ▍▍▋▋ | | | | | | _ |
| 9 — | -9.0 | | | | | | " | | ΙH | | | | | _ |
| - | - | | | | | | | † † | | | | | | - |
| 10 — | -10 | | | | | | | † † | П | | | | | |
| - | - | | | | | | | \111 | H | | | | | - |
| 11 — | -11.0 | | | | | | | ╽╽╏╏ | | | | | | |
| - | - | | | | | | | • • | ΙH | | | | | - |
| 40 | -12.0 | | | | | | | † † | | | | | | - |
| 12 — | -12.0 | | | | | | | 1771 | 18 | | | NI- | | |
| <u>-</u> | - | Tannish gray, Si | ilty CLAY , wet | | | SS-3 | | I <i>///</i> | 18 | | | No | 0 | - |
| 13 — | -13.0 | | | | | | | ľ //// | | | | | | |
| _ | _ | | | | | | CL | $W///_{J}$ | | | | | | _ |
| 14.0 — | -14.0 | | | | | | | V//. | | | | | | _ |
| _ |] | | | | | | | 1777 | | | | | |]] |
| 15 — | -15 | | | | | - | - | 1 | | | - | | | |
| _ | | | END OF BORIN | IG: 1 | 15.0' | | | | | | | | |] = = = = = = = = = = = = = = = = = = = |
| 16.0 — | -16.0 | | | | | | | | | | | | | - |
| _ | - | | | | | | | | | | | | | - |
| 17.0 | -17.0 | | | | | | | | | | | | | |
| - | _ | | | | | | | | | | | | | - |
| - 18.0 | -19.0 | | | | | | | | | | | | | - |
| 10.0 | -18.0 — | | | | | | | | | | | | | |
| _ | - | | | | | | | | | | | | | - |
| herek | y certify | that the informat | ion on this form is true and | d corr | ect to the best of my kno | wledge | - | | • | - | • | | • | • |
| Signat | | | | | Brian Youngwirth | | G | enera | I Eng | ineer | ing C | ompa | any | |
| • | | Bring. | Joungwirth | | J | | | | ilver Lal | | _ | - | - | |
| | | s court of | July Will | | | | | | | ge WI | | | | |

| State of Wisconsin |
|---------------------------------|
| Department of Natural Resources |

| Route To: | |
|---------------------------|---|
| Solid Waste | |
| Emergency Response | Ī |
| 1 \A/ 4 - · · · - 4 - · · | Ē |

| Haz. Waste | |
|-------------------|--|
| Underground Tanks | |
| Water Resources | |
| 704 | |

Soil Boring Log Information Form 4400-122

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| | | | | | | | | | | | | | | rage rorr |
|---------|--------------|--------------------|-----------------------------------|---------|------------------------|---------|---------|--------------------|-----------------|-------|---------|--------|--------|--------------|
| | | ct Name | | | Project No. | Wis. Un | ique N | lo. | Boring | y Num | ber | | | |
| | | erg Compar | | 2-0 | 919-397B | N/A | | | | | | | | |
| | | | and name of crew chief) | | Drilling Method | Borehol | e Diar | neter | | R | _18 | / M | IW- | 17 |
| | | /ironmental | | | Direct Push | 2 | ." / 8" | i | | | . 0 | , 14 | | • • |
| | Kapug | | Data Dalling Forder | le: | & HSA | | | 1 | \ <u>\</u> | 104 | | מעם | 3-11-1 | Cada |
| Date I | Orilling S | started | Date Drilling Ended | Bor | ing Location State Pla | ane N, | Е | | WTI 6742 | | | DNK | Jounty | Code |
| | 7/11 | /2022 | 7/11/2022 | N۷ | /- SE, Sect. 3, T24 | N, R20E | | X | 4585 | | | | | 5 |
| Local | Grid I o | cation (If applica | hble) | Cou | ıntv | | | Civil T | own / 0 | | illage | | | |
| Feet S | | Feet | | | - | | | | | - | _ | | | |
| | | | | BIC | own | | | villag | je of ⊦ | iowai | a | | | |
| | h Below | VIS | SUAL SOIL CLAS | SSIF | FICATION | Sample | uscs | Graphic | Well | Blow | N value | Odor | PID | Remarks |
| Surface | e/Elev. (ft) | | Ground Surface E | Elevat | ion: | No. | 0000 | Log | | Count | raido | 040. | (ppm) | Romano |
| | _ | Grayish brown, | Clayey SILT , wet | | | | | | | | | | | - |
| - | - | Brown and oran | gish brown, Silty SAND , w | et | | | | ↓↓ | ПГ | | | | | Lab |
| 1 | -1.0 | | | | | | | † † | | | | | | sample |
| - | - | | | | | | | I I I I I | | | | | | - |
| 2 — | -2.0 | | | | | | | ll t t l | | | | | _ | <u> </u> |
| - | - | | | | | SS-1 | | l ∤ ∏ ∤ | | | | No | 0 | - |
| 3 — | -3.0 | | | | | | | ! † † ! | Ш | | | | | |
| - |] - | | | | | | | + + | ΙH | | | | | _ |
| 4 — | -4.0 | | | | | | | ╽╏┇┇ | Ш | | | | | |
| _ |] [| | | | | | SM | ∐∳∳Ĭ | ΙД | | | | | |
| 5 — | -5.0 | Grayish brown, | Silty SAND wet | | | | - 0 | † † | l A | | | | | _ |
| _ |] [| o. ay.o 2. o, | oy o, | | | | | \}\$\ | ΙД | | | | | _ |
| 6 — | -6.0 | | | | | | | ┃ ┆ ┃┃┃┃ | H | | | | | |
| _ | 1 - | | | | | | | | | | | | | _ |
| 7 — | -7.0 | | | | | | | + + | ΙH | | | | | |
| _ | 1 : | | | | | SS2 | | | Ш | | | No | 0 | |
| 8 — | -8.0 | | | | | | | ∐∳∳Ĩ | ΙH | | | | | |
| - | j <u> </u> | | | | | | | † | Ш | | | | | <u>-</u> |
| 9 — | -9.0 | O | | NI ANZ | Ol Oll Tt | | | 777 | H | | | | | |
| - | _ | Grayish brown a | and Reddish brown, Silty C | LAY | and Clayey SIL1, wet | | | V//, | ΙН | | | | | _ |
| 10 — | -10 — | | | | | | 4 | V//, | ΙA | | | | | |
| - | 1 - | | | | | | | V//. | ΙН | | | | | - |
| 11 — | -11.0 | | | | | | | 1/// | ΙП | | | | | |
| - | - 1 | | | | | | | V// | ΙH | | | | | - |
| 12 — | -12.0 | | | | | | CL | $V//_{J}$ | ΙД | | | | | <u> </u> |
| - | - | | | | | SS-3 | | V//, | H | | | No | 0 | - |
| 13 — | -13.0 | | | | | | | V//; | B | | | | | _ |
| - | - | | | | | | | ľ/// | | | | | | = |
| 14.0 | -14.0 | | | | | | | [/// <i>]</i> | | | | | | _ |
| - | - | | | | | | | $V//_{I}$ | | | | | | - |
| 15 — | -15 | | | | | | | 1/// | | | | | | _ |
| - | ∮ - | | END OF BORIN | NG: 1 | 5.0' | | | | | | | | | - |
| 16.0 — | -16.0 | | | | | | | | | | | | | _ |
| - | | | | | | | | | | | | | | <u>-</u> |
| 17.0 — | -17.0 | | | | | | | | | | | | | _ |
| - | - | | | | | | | | | | | | | - |
| 18.0 — | -18.0 | | | | | | | | | | | | | <u>-</u> |
| -0.0 - | - | | | | | | | | | | | | | |
| _ | <u> </u> | | | | | | | | | | | | | - |
| | | that the informat | tion on this form is true an | d corre | | _ | | | | | | | | |
| Signat | ture | | | , | Brian Youngwirt | h Firm | G | enera | _ | | _ | _ | _ | |
| | | Brian | e Goungwirth | é | | | | 916 Si | lver Lal | | | OX 340 |) | |
| | | | // // | | | 1 | | | Porta | ae WI | 53901 | | | |

| State of Wisconsin |
|---------------------------------|
| Department of Natural Resources |

| Route 10: | |
|--------------------|-------------------|
| Solid Waste | ☐ Haz. Waste |
| Emergency Response | Underground Tanl |
| Vastewater | ☐ Water Resources |

Soil Boring Log Information Form 4400-122

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| | | | | | | | | | | | | | | Page 1011 |
|-----------------------|--------------|--------------------|-----------------------------------|-------------|------------------------|----------|--------|--------------|--------------|--------|------------------|--------|-------------|--------------|
| | | ct Name | | | C Project No. | Wis. Uni | que N | lo. | Boring | g Numl | ber | | | |
| | | erg Compar | | 2-0 | 919-397B | N/A | | | | | | | | |
| | | | and name of crew chief) | | Drilling Method | Borehol | e Diar | neter | | | R ₋ 1 | 9/ | P7 . | .2 |
| On-Site Environmental | | | | Direct Push | 2 | 2" / 8" | | B-19 / PZ-2 | | | | | | |
| | Kapug | | 1 | _ | & HSA | | | | L | | | | | |
| Date D | rilling S | tarted | Date Drilling Ended | Bor | ing Location State Pla | ane N, | Е | | WTI | | | DNR (| County | / Code |
| | 5/26 | /2021 | 5/26/2021 | NW | - SE, Sect. 3, T24N, | R20E | | X | 6742 | | | | | 5 |
| l agal C | rid Lo | cation (If applica | hlo) | Col | untu. | | | Civil T | 4585 | | illogo | | | |
| Feet S | oriu Loc | Feet | , | Cou | - | | | | | - | _ | | | |
| | | . 551 | • | Bro | own | | | Villaç | ge of | Howa | ırd | | | |
| Depth | Below | VIS | SUAL SOIL CLAS | SSIF | ICATION | Sample | | Graphic | Graphic Blow | | | | | |
| Surface/ | Elev. (ft) | | Ground Surface E | | | No. | USCS | Log | Well | Count | N value | Odor | (ppm) | Remarks |
| | _ | Dark brown, Sar | ndy SILT , moist (Topsoil) | | | | OL | | | | | | | Lab sample _ |
| 1— | -1 — | Orangish brown | and light brown, Silty SAN | ND, w | et | | | | | | | | | _ |
| 2 — | -2 | | | | | SS-1 | | † † | ĦF | | | N0 | 0 | _ |
| 3 — | -3 — | | | | | | | ╽╁╎╎╁ | | | | | | |
| 4 — | -4 — | | | | | | SM | | | | | | | <u> </u> |
| 5 | -5 | Light brown, Silt | V SAND Wet | | | | | ╽┇┩┩╽ | | | | | | _ |
| 6 — | -6 | Light brown, one | , 0, 112 , 110 1 | | | | | ╽ ╽┆┆ | | | | | | |
| 7 | -7 | | | | | 00.0 | | † † | | | | NO | _ |] |
| 8 | -8 | D. J.E. L. L. | Ol | | | SS-2 | | 7 7 | | | | N0 | 0 |] |
| 9 | -9 | Readish brown, | Clayey SILT , wet | | | | ML | | | | | | |] |
| 10 | -10 | | | | | | | | | | | | | |
| 11 | -11 - | Brown and redd | ish brown, Silty CLAY and | Clay | ey SILT, wet | | | I///. | | | | | |] |
| 12 | -12 - | | | | | | | ľ///. | | | | | |]] |
| 13 - | -13 - | | | | | SS-3 | | ľ/// | | | | No | 0 | ت ا |
| 14 - | -14 - | | | | | | | /// | | | | | | |
| - | - | | | | | | | V///, | | | | | | _ |
| 15 | -15 | | | | | | | I///, | | | | | | |
| 16 - | -16 - | | | | | | | M//. | | | | | | |
| 17 | -17 – | | | | | SS-4 | CL | V/7. | | | | No | 0 | |
| 18 - | -18 - | | | | | | | I///, | | | | | | _ |
| 19 - | -19 - | | | | | | | I///, | | | | | | |
| 20 | -20 | | | | | | | M///, | | | | | | |
| 21 | -21 | | | | | | | M/// | | | | | | |
| 22 | -22 | | | | | SS-5 | | V// | | | | No | 0 | |
| 23 - | -23 | | | | | 00-3 | | V//) | Ш | | | 140 | | _ _ |
| 24 - | -24 | | | | | | | V/// | B | | | | |] |
| 25 | -25 | Drillod without s | ampling to 28.5 feet | | | | | 177 | l A | | | | | |
| 26 | -26 | Dillied Without S | ampling to 20.5 leet | | | | | | l A | | | | |] |
| 27 | -27 | | | | | SS-6 | | | | | | No | 0 |] |
| 28 - | -28 | | | | | | | | | | | | |] |
| 29 | -29 | | END OF BORIN | G: 2 | 28.5' | | | | | | | | |] |
| 30 | -30 | | | | | | | | | | | | | |
| 31 | -31 - | | | | | | | | | | | | |] |
| 32 | -32 | | | | | | | | | | | | | |
| 33 - | -33 | | | | | | | | | | | | | |
| 34 | -34 | | | | | | | | | | | | | |
| - | - | | | | | | | | | | | | | _ |
| | | that the informat | ion on this form is true an | d corr | | | | · · | l C | | C | | | |
| Signatu | ıe | Rin | u Clamanini | 4 | Brian Youngwirt | ⊓∣Firm | G | eneral | _ | | _ | - | - | |
| | | viii | n Goungwirt | 10 | | | | 916 Sil | | | | UA 341 | J | |
| | | | U - | | | | | | runa | ge WI | JJ801 | | | |

MONITORING WELL CONSTRUCTION

| Route To: Env. Respon | <u> </u> | water Other |
|--|--|---|
| Facility / Project Name | Local Grid Location of Well | Well Name |
| The Solberg Company - Site 2 | Feet S Feet W | MW-12 |
| License /Permit /GEC Project No. | Grid Origin Location | Wis. Unique No. |
| 2-0919-397B | | N/A |
| Type Of Well | Section Location of Waste / Source | Date Well Installed |
| Water Table Observatio X 11 | NW - SE, Section 3, T24N, R20E | 7/11/2022 |
| Piezometer 12 Distance Well is From Waste/Source Boundary | | Well Installed By: (Persons Name & Firm) |
| Distance Well is From Wasterbource Boundary | | On-Site Environmental |
| Is Well a Point of Enforcement Std. Application | | Gage Kapugi |
| Yes No | d downgradient n Not Shown | Cago (apagi |
| | 1. Can and Look? | X Yes No |
| A. Protective pipe, top elevation | ft. MSL 1. Cap and Lock? 2. Protective cover p | |
| | a. Inside diamete | er: 4 in |
| B. Well casing, top elevation | ft. MSL b. Length: C. Material | 4 ft Steel X 4 |
| C. Land surface elevation | ft. MSL | Steel X 4 Other |
| | d. Additional pro | tection? X Yes No |
| D. Surface seal, bottom ft. MSL 0.5 | ft. If yes, describe: | Expandable locking plug |
| | 3. Surface seal: | Bentonite X 30 |
| 12. USCS Classification of soil near screen: | | Concrete 1 |
| GP GM GW SW SW SM X SC ML CL X | SP | Concrete Other |
| Bedrock | | well casing and protective pipe: |
| 40.0: | | Bentonite X 30 |
| 13.Sieve analysis attached? Yes X | No Service Ser | Annular space seal Other |
| 14. Drilling method used: Rotary | 50 | |
| Hollow stem auger | | |
| Direct Push Other | | mud weightBentonite-sand slurry 35 mud weightBentonite slurry 31 |
| 15. Drilling fluid used: Water 02 Air | 50 | oniteBentonite-cement grout 50 |
| Drilling Mud 🔲 03 None | | me added for any of the above |
| 16. Drilling additives used? Yes X | No f. How installed: | Tremie 1 Tremie pumped 2 |
| Describe | | Gravity X 8 |
| 17. Source of water (attach analysis) | , 6. Bentonite seal: | a. Bentonite Granules X 33 |
| 17. Codioc of water (attach analysis) | | 3/8 in. 1/2 in Bentonite pellets 32 |
| | / | Other |
| E. Bentonite seal, top ft. MSL or | 0.5 ft. 7.7. Fine sand mate | rial: Manufacture, product name and mesh size |
| | a. Sidley#7 | |
| F. Fine sand, topft. MSL or | 2.0 ft. V. Volume added | 0.5 bags ft3 |
| G. Filter pack, topft. MSL or | 2.5 ft. 8. Filter pack mate a. Sidley #5 | rial: Manufacture, product name and mesh size |
| H. Screen joint, topft. MSL or | | 5 Bags ft3 |
| I. Well bottomft. MSL or | 13.0 ft. 9.Well casing: | Flush threaded PVC schedule 40 X 23 Flush threaded PVC schedule 80 24 |
| J. Filter pack , bottomft. MSL or | 15.0 ft. | Other |
| K. Borehole, bottomft. MSL or | 15.0 ft. 10. screen Materia a: Screen type: | l: Factory Cut X 11 |
| L. Borehole, diameter 8 in | | Continuous slot 1 Other 1 |
| M. O.D. Well casing <u>2.375</u> in | b: Manufacture | Hole Products |
| N. I.D. Well casing 2.067 in | c: Slot size: d. Slotted length | 0.01 In. 10 It. |
| | 11.Backfill Materia | l: None X 14 Other |

MONITORING WELL CONSTRUCTION

| Department of Natural Resor | | • | | Form 4400-113 | | Re | ev. 4-90 |
|-----------------------------------|-----------------------------|----------------------------|--------------------------|--|--------------------|--|--------------|
| | Route To: Env. Respon | Solid Waste se & Repair | Haz. Waste Undergroun | | ewater L | | |
| Facility / Project Name | | Local Grid Location | on of Well | | Well Name | | |
| The Solberg Comp | | Feet S Fe | et W | | MW-13 | | |
| License /Permit /GEC Proje | ect No. | Grid Origin Locati | on | | Wis. Unique | No. | |
| 2-0919-397B | | | | | N/A | | |
| Type Of Well Water Table O | Observatio X 11 | Section Location | | | Date Well In | | |
| Piezometer | 12 | NW - SE, Secti | | | | 7/11/2022 | |
| Distance Well is From Was | te/Source Boundary | l <u>—</u> | ell Relative to \ | | | d By: (Persons Name | e & Firm) |
| Is Well a Point of Enforcem | nent Std. Application | u Upgradier | nt s | Sidegradient | _ | nvironmental | |
| Yes | No | d downgrad | ient n | Not Shown | Gage Kap | ugi | |
| | | | _ | 1. Cap and Lock? | | X Yes | □ No |
| A. Protective pipe, top elevation | | _ft. MSL _ | | 2. Protective cover | | | _ |
| B. Well casing, top elevation | | ft. MSL | | a. Inside diameb. Length: | ter: | 4 in 4 ft | |
| | | | | C. Material | | Steel | 4 |
| C. Land surface elevation | | _ft. MSL | - | d. Additional pr | otection? | Other X Yes | ∐ No |
| D. Surface seal, bottom | ft. MSL 0.5 | <u>5</u> ft. | | If yes, describe | : | Expandable locking | g plug |
| 12. USCS Classification of soil | near screen: | 711 | | 3. Surface seal: | | Bentonite X Concrete |] 30] 1 |
| GP GM | GW SW | SP 🔲 📗 | | | Concrete | Other | j ' |
| SM X SC Bedrock | ML CL X | СН | × | 4. Material between | well casing and | nrotective nine | |
| 13.Sieve analysis attached? | ☐ Yes X | No | | 4. Material between | · · | Bentonite X | 30 |
| | | | | | | Other | j |
| 14. Drilling method used: | Rotary Hollow stem auger | | | 5. Annular space se | eal a. | . Granular Bentonite X |] 33 |
| Direct Push | Other | | | b Lbs/g | al mud weightB | entonite-sand slurry | 35 |
| 15. Drilling fluid used: | Water 02 Air | · 50 | | | - | Bentonite slurry ntonite-cement grout |] 31] 50 |
| | ng Mud 🔲 03 None | 41 | | e Ft3 vo | lume added for any | of the above | - |
| 16. Drilling additives used? | ☐ Yes 🗓 | No | | f. How installed: | | Tremie |] 1] 2 |
| Describe | | | | | | Gravity X | = |
| 17. Source of water (attach a | nalysis) | | | 6. Bentonite seal: | a. | Bentonite Granules X | 33 |
| | | -/ | | b ½ in.X | 3/8 in ½ in | Bentonite pellets | 32 |
| | | | | | | Other [| J |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. / | | 7. Fine sand mate a. Sidley # 7 | erial: Manufacture | e, product name and me | sh size |
| F. Fine sand, top | ft. MSL or | 2.0 ft. / (///// | | v. Volume added | 0.5 bags | ft3 | |
| G. Filter pack, top | ft. MSL or | 2.5 ft. | | 8. Filter pack mat a. Sidley #5 | erial: Manufacture | e, product name and me | esh size |
| H. Screen joint, top | ft. MSL or | 3.0 ft. | | v. Volume added | 5 Bags | ft3 | |
| I. Well bottom | ft. MSL or | 13.0 ft. | | 9.Well casing: | | PVC schedule 40 PVC schedule 80 | 23 |
| J. Filter pack , bottom | ft. MSL or | 15.0 ft. | | | | Other _ | |
| K. Borehole, bottom | ft. MSL or | 15.0 ft. | | 10. screen Materi | | Factory Cut | (11 |
| L. Borehole, diameter | <u>8</u> in | | | a. 30,3611 type. | | Continuous slot Other | 1 1 |
| M. O.D. Well casing | 2.375 in | | | b: Manufacture c: Slot size: | Hole F | Products 0.01 in | |
| N. I.D. Well casing | 2.067 in | | | d. Slotted lengt | h: | 10 II | |
| | | | \ | 11.Backfill Materi | al: | None X |] 14] |

MONITORING WELL CONSTRUCTION

| Department of Natural Resource | Route To: Env. Respons | Solid Waste se & Repair | Haz. Waste Undergroun | | ewater Other | Rev. 4-90 |
|-------------------------------------|-------------------------------|----------------------------|--------------------------|--|--|-----------------|
| Facility / Project Name | | Local Grid Locatio | n of Well | | Well Name | |
| The Solberg Compar | ny - Site 2 | Feet S Fee | et W | | MW-14 | |
| License /Permit /GEC Project | | Grid Origin Location | n | | Wis. Unique No. | |
| 2-0919-397B | | | | | N/A | |
| Type Of Well | | Section Location o | f Waste / Sou | irce | Date Well Installed | |
| Water Table Obs Piezometer | ervatio <u> X </u> 11 12 | NW - SE, Section | on 3, T24N, | R20E | 7/11/2022 | 2 |
| Distance Well is From Waste/ | Source Boundary | Location to We | II Relative to | Waste/Source | Well Installed By: (Persons | Name & Firm) |
| | | u Upgradien | t s | Sidegradient | On-Site Environment | :al |
| Is Well a Point of Enforcemen | | d downgradi | ent n | Not Shown | Gage Kapugi | |
| Yes | No | <u> </u> | | | <u> </u> | |
| A. Protective pipe, top elevation | | ft. MSL | /, | Cap and Lock? Protective cover Protective diameter | • | No No |
| B. Well casing, top elevation | | ft. MSL | | a. Inside diameb. Length: | | 9 in 1 ft |
| 0 | | | | C. Material | Ste | |
| C. Land surface elevation | | _ft. MSL | ┩ (| d. Additional pro | Otheotection? | er No |
| D. Surface seal, bottom | ft. MSL 0.5 | ft. | | If yes, describe | Expandable lo | |
| 12. USCS Classification of soil nea | ar screen: | \sim | | 3. Surface seal: | Bentonite Concrete | X 30 1 |
| | sw sw | SP 🔲 📗 | | | Concrete Other | |
| SM X SC Bedrock | ML X CL X | СН | × | . 4 Material hetween | well casing and protective pipe | ٥. |
| Dedrock | | | | 4. Material between | Bentonit | |
| 13.Sieve analysis attached? | Yes X | No | | | Annular space sea | = |
| 14. Drilling method used: | Rotary | 50 | | | Oth | # [] |
| Direct Push | Hollow stem auger | | | 5. Annular space se | | = |
| Direct Push | Other | | | | al mud weightBentonite-sand slur I mud weightBentonite slur | |
| S | /ater 02 Air ⁄/ud 03 None | 50 X 41 | | | toniteBentonite-cement gro | out 50 |
| Drilling N | wuu os None | | | e Ft3 voi f. How installed: | ume added for any of the above Trem | nie 1 |
| 16. Drilling additives used? | Yes X | No | | | Tremie pumpe | = |
| Describe | | | | | Gravi | ity X 8 |
| 17. Source of water (attach analy | /sis) | | / | 6. Bentonite seal: | a. Bentonite Granule | = |
| | | 7 | | b ½ in. X | 3/8 in. 1/2 in Bentonite pelle Oth | = |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. | 1010A | 7. Fine sand mate | erial: Manufacture, product name ar | _ |
| F. Fine sand, top | ft. MSL or | 2.0 ft. | | a. Sidley # 7 v. Volume added | 0.5 bags | ft3 |
| G. Filter pack, top | ft. MSL or | 2.5 ft. | | 8. Filter pack mate | erial: Manufacture, product name a | nd mesh size |
| H. Screen joint, top | ft. MSL or | 3.0 ft. | 7/ | | 5 Bags | ft3 |
| I. Well bottom | ft. MSL or | 13.0 ft. | | 9.Well casing: | Flush threaded PVC schedule 4 Flush threaded PVC schedule 8 | = |
| J. Filter pack , bottom | ft. MSL or | 15.0 ft. | | | Othe | er 🔲 |
| K. Borehole, bottom | ft. MSL or | 15.0 ft. | | 10. screen Materi a: Screen type: | al: Factory Ci | ut X 11 |
| L. Borehole, diameter | <u>8</u> in | | | a. 00/00/1 type. | Continuous slo | ot 🔲 1 |
| M. O.D. Well casing | 2.375 in | | | b: Manufacture | | _ _{in} |
| N. I.D. Well casing | 2.067 in | | | c: Slot size: d. Slotted lengtl | 0.01 h: 10 | in. tt. |
| | | | \ | \11.Backfill Materia | al: Nor Othe | = |

MONITORING WELL CONSTRUCTION

| Department of Natural Resources | Route To: Env. Respons | Solid Waste | _ | łaz. Waste Indergrour | | ewater Other | | ev. 4-90 |
|--|---------------------------|-----------------------------|--------------------|----------------------------|--|---------------------------------|--|--------------|
| Facility / Project Name | | Local Grid Loc | cation of | f Well | | Well Name | | |
| The Solberg Company | - Site 2 | Feet S | Feet W | | | MW-15 | | |
| License /Permit /GEC Project No. | | Grid Origin Lo | cation | | | Wis. Unique | No. | |
| 2-0919-397B | | | | | | N/A | | |
| Type Of Well | | Section Locat | ion of W | aste / Sοι | ırce | Date Well Ins | stalled | |
| Water Table Observa Piezometer | 12 | NW - SE, S | | | | | 7/11/2022 | |
| Distance Well is From Waste/Sou | rce Boundary | | | elative to | Waste/Source | | d By: (Persons Name | & Firm) |
| Is Well a Point of Enforcement St | d Application | u Upgra | adient | s | Sidegradient | | nvironmental | |
| Yes No | u. Application | d down | gradient | n | Not Shown | Gage Kapı | ugi | |
| | | | | | | <u> </u> | <u> </u> | |
| A. Protective pipe, top elevation | | ft. MSL 、 | | | Cap and Lock? Protective cover | | X Yes | No |
| The residence pipe, top electation | | -1 1 | | // | a. Inside diame | | 9 in | |
| B. Well casing, top elevation | - | ft. MSL | | $\frac{4}{3}$ | b. Length: | | 1 ft | 7 4 |
| C. Land surface elevation | | ft. MSL、 | | V | C. Material | | Steel <u>)</u> Other | 4 |
| | - | - | | | d. Additional pr | | X Yes | No |
| D. Surface seal, bottom ft. M | ISL 0.5 | ft. | | 1 | If yes, describe | | Expandable lockin | g plug |
| | | | | | - 3. Surface seal: | | Bentonite X |] 30 |
| 12. USCS Classification of soil near sci | | $\mathcal{N}_{\mathcal{A}}$ | | | | 0 1 | Concrete |] 1 |
| GP GM GW | SW X | SP CHI | | | | Concrete | Other | J |
| Bedrock | <u></u> <u></u> | | | ~ | 4. Material between | well casing and | · · · · — | _ |
| 13.Sieve analysis attached? | Yes X | No | | | | Δni | Bentonite X nular space seal |] 30] |
| 10.0icve analysis attached: | | | | | | AIII | Other | j |
| 14. Drilling method used: | • | 50 | | | 4 F. Ammulan angas as | · al | - | 1 00 |
| Direct Push | ollow stem auger Other | | | | 5. Annular space se b. Lbs/a; | | Granular Bentonite X entonite-sand slurry |] 33] 35 |
| | _ | _ ::: | | | c Lbs/ga | I mud weight | Bentonite slurry | 31 |
| 15. Drilling fluid used: Water Drilling Mud | | 50 X 41 | | | | toniteBent ume added for any | tonite-cement grout | 50 |
| Brilling Widd | 00 140110 | | | | f. How installed: | unic added for any | Tremie |] 1 |
| 16. Drilling additives used? | Yes X | No | | | | | Tremie pumped | 2 |
| Describe | | | | | | | Gravity X | 8 |
| 17. Source of water (attach analysis) | | | | | 6. Bentonite seal: | a. | Bentonite Granules X | 33 |
| | | | | | b 1/4 in. X | 3/8 in. 1/2 in | Bentonite pellets Other |] 32] |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. | | | 7. Fine sand mate | erial: Manufacture | - <u>-</u> | J sh siza |
| E. Bertonic scal, top | Tt. MOE Of | | | | a. Sidley#7 | Tran. Manarastars, | , product name and me | 511 5120 |
| F. Fine sand, top | ft. MSL or | 2.0 ft. | | | v. Volume added | 0.5 bags | ft3 | |
| G. Filter pack, top | ft. MSL or | 2.5 ft. | 960 - 6 880 - 8 | | 8. Filter pack mat a. Sidley #5 | erial: Manufacture | e, product name and me | esh size |
| H. Screen joint, top | ft. MSL or | 3.0 ft. | | | v. Volume added | 5 Bags | ft3 | |
| I. Well bottom | ft. MSL or | 13.0 ft. | \exists | 969 km 049 km 048 km | 9.Well casing: | | PVC schedule 40 D | 23 24 |
| J. Filter pack , bottom | ft. MSL or | 15.0 ft. | \mathbb{H}^{2} | | | | Other [| |
| K. Borehole, bottom | ft. MSL or | 15.0 ft. | | | 10. screen Materi a: Screen type: | al: | Factory Cut > | 11 |
| L. Borehole, diameter | <u>8</u> in | | | | | | Continuous slot Other | 1 |
| M. O.D. Well casing 2.3 | 75 in | | | | b: Manufacture c: Slot size: | Hole P | roducts 0.01 in | 1. |
| N. I.D. Well casing 2.0 | 67 in | | | | d. Slotted lengt | h: | 10 tt | |
| | | | | | \11.Backfill Materia | al: | None X |] 14] |

MONITORING WELL CONSTRUCTION

| Department of Natural Resou | | C-15-1 W | Form 4400 | |
|-----------------------------------|-----------------------------|----------------------------|---|--|
| | Route To: Env. Respons | Solid Waste se & Repair | Haz. Waste | /astewater ☐ Other ☐ |
| Facility / Project Name | | Local Grid Location | of Well | Well Name |
| The Solberg Comp | | Feet S Feet | W | MW-16 |
| License /Permit /GEC Proje | ect No. | Grid Origin Location | l | Wis. Unique No. |
| 2-0919-397B | | | | N/A |
| Type Of Well Water Table C | Observatio X 11 | Section Location of | | Date Well Installed |
| Piezometer | 12 | NW - SE, Section | | 7/11/2022 |
| Distance Well is From Was | te/Source Boundary | u Upgradient | Relative to Waste/Source s Sidegradien | |
| Is Well a Point of Enforcem | _ | d downgradier | _ v | Gage Kapugi |
| Yes | No | a aomigradion | ii ii ii iii ii ii ii ii ii ii ii ii ii | |
| A. Protective pipe, top elevation | | ft. MSL 、 | 1. Cap and Loc 2. Protective co | |
| _ | - | • | a. Inside di | ameter: 4 in |
| B. Well casing, top elevation | | ft. MSL | b. Length: C. Material | 4 ft Steel X 4 |
| C. Land surface elevation | | ft. MSL | d Addition: | Other Other No |
| D. Surface seal, bottom | ft. MSL 0.5 | _ft. | If yes, desc | |
| 12. USCS Classification of soil | near screen. | 7111 | 3. Surface seal | : Bentonite X 30 Concrete 1 |
| GP GM | GW SW | SP 🔲 | | Concrete Other |
| SM X SC Bedrock | ML CL X | СН | 4. Material betw | veen well casing and protective pipe: Bentonite X 30 |
| 13.Sieve analysis attached? | Yes X | No | | Annular space seal Other |
| 14. Drilling method used: | Rotary Hollow stem auger | 50 | ✓ 5. Annular spac | ce seal a. Granular Bentonite X 33 |
| Direct Push | Other | | | bs/gal mud weightBentonite-sand slurry 35 |
| 15. Drilling fluid used: | Water 02 Air | | | bs/gal mud weightBentonite slurry 31 BentoniteBentonite-cement grout 50 |
| | | X 41 | | t3 volume added for any of the above |
| 16. Drilling additives used? | ☐ Yes χ | No | f. How install | ed: Tremie 1 Tremie pumped 2 |
| Describe | | | | Gravity X 8 |
| 17. Source of water (attach a | nalysis) | | 6. Bentonite se | |
| | | | b 1/4 in.[. | X 3/8 in. 1/2 in Bentonite pellets 32 Other |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. | 7. Fine sand r | material: Manufacture, product name and mesh size |
| F. Fine sand, top | ft. MSL or | 2.0 ft. | · · / · / · / · · · · · · · · · · · · · | 0.5 bags ft3 |
| G. Filter pack, top | ft. MSL or | 2.5 ft. | 8. Filter pack a. Sidley | material: Manufacture, product name and mesh size |
| H. Screen joint, top | ft. MSL or | 3.0 ft. | v. Volume ad | |
| I. Well bottom | ft. MSL or | 13.0 ft. | 9.Well casing | Flush threaded PVC schedule 40 X 23 Flush threaded PVC schedule 80 24 |
| J. Filter pack , bottom | ft. MSL or | 15.0 ft. | | Other |
| K. Borehole, bottom | ft. MSL or | 15.0 ft. | 10. screen Ma | |
| L. Borehole, diameter | <u>8</u> in | | a. Screen t | ype: Factory Cut X 11 Continuous slot 1 Other |
| M. O.D. Well casing | 2.375 in | | b: Manufac c: Slot size | ture Hole Products |
| N. I.D. Well casing | 2.067 in | | d. Slotted le | |
| | | | 11.Backfill Ma | terial: None X 14 Other |

MONITORING WELL CONSTRUCTION

| Department of Natural Resou | urces Route To: Env. Respons | _ | Form 4400-113 az. Waste Waste Nderground Tanks | A Rev. 4-90 ewater Other |
|---|---|---|--|---|
| Facility / Dual act Name | | | · <u> </u> | |
| Facility / Project Name | any Sito 2 | Local Grid Location of Feet S Feet W | vveii | Well Name MW-17 |
| The Solberg Comp | | Grid Origin Location | | Wis. Unique No. |
| 2-0919-397B | | ona ongm zooanon | | N/A |
| Type Of Well | | Section Location of Wa | aste / Source | Date Well Installed |
| Water Table C Piezometer | <u> </u> | NW - SE, Section 3 | | 7/11/2022 |
| Distance Well is From Was | te/Source Boundary | | elative to Waste/Source | Well Installed By: (Persons Name & Firm) |
| Is Well a Point of Enforcem | ent Std. Application | u Upgradient | s Sidegradient | On-Site Environmental |
| Yes | No | d downgradient | n Not Shown | Gage Kapugi |
| A. Protective pipe, top elevation B. Well casing, top elevation | | ft. MSL ft. MSL | 1. Cap and Lock? 2. Protective cover particular diame b. Length: C. Material | |
| C. Land surface elevation | | ft. MSL | d Additional on | Other No. |
| D. Surface seal, bottom | ft. MSL 0.5 | _ft. | d. Additional pro | |
| 12. USCS Classification of soil GP GM SM X SC Bedrock | near screen: GW SW ML X CL | SP CH | 3. Surface seal: 4. Material between | Bentonite X 30 Concrete 1 Other 1 well casing and protective pipe: |
| 13.Sieve analysis attached? | Yes X | No | | Bentonite X 30 Annular space seal ☐ Other ☐ |
| 14. Drilling method used: <u>Direct Push</u> 15. Drilling fluid used: Drillir | Rotary Hollow stem auger Other Water 02 Air ng Mud 03 None | X 41 | cLbs/gal d% Bent | al a. Granular Bentonite X 33 al mud weightBentonite-sand slurry 35 Il mud weightBentonite slurry 31 toniteBentonite-cement grout 50 ume added for any of the above |
| 16. Drilling additives used? Describe | Yes X | No | f. How installed: | Tremie |
| 17. Source of water (attach a | nalysis) | | 6. Bentonite seal: | a. Bentonite Granules X 33 3/8 in. Bentonite pellets 32 Other |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. /////////////////////////////////// | 7. Fine sand mate | erial: Manufacture, product name and mesh size |
| F. Fine sand, top | ft. MSL or | 2.0 ft. | | 0.5 bags ft3 |
| G. Filter pack, top | ft. MSL or | 2.5 ft. | 8. Filter pack mate | erial: Manufacture, product name and mesh size |
| H. Screen joint, top | ft. MSL or | 3.0 ft. | v. Volume added | 5 Bags ft3 |
| I. Well bottom | ft. MSL or | 13.0 ft. | 9.Well casing: | Flush threaded PVC schedule 40 X 23 Flush threaded PVC schedule 80 24 |
| J. Filter pack , bottom | ft. MSL or | 15.0 ft. | | Other |
| K. Borehole, bottom | ft. MSL or | 15.0 ft. | 10. screen Materia | al: Factory Cut X 11 |
| L. Borehole, diameter | <u>8</u> in | | <u>.</u> | Continuous slot 1 Other |
| M. O.D. Well casing | 2.375 in | | b: Manufacture c: Slot size: | Hole Products 0.01 in. |
| N. I.D. Well casing | 2.067 in | | d. Slotted lengtl | |
| | | | 11.Backfill Materia | al: None X 14 Other |

MONITORING WELL CONSTRUCTION

| Department of Natural Resor | urces | _ | _ | | Form 4400-113 | | R | lev. 4-90 |
|-----------------------------------|--------------------------|------------------------------|------------------|---|---|--------------------|---|--------------|
| | Route To: Env. Respon | Solid Waste L se & Repair | _ | Waste erground | Wast d Tanks <u></u> | ewater L | | |
| Facility / Project Name | | Local Grid Lo | ocation of We | ell | | Well Name | | |
| The Solberg Comp | any - Site 2 | Feet S | Feet W | | | PZ-2 | | |
| License /Permit /GEC Proje | ect No. | Grid Origin L | ocation | | | Wis. Unique | No. | |
| 2-0919-397B | | | | | | N/A | | |
| Type Of Well Water Table C | Observatio X 11 | Section Loca | | | | Date Well In | | |
| Piezometer | 12 | NW - SE, S | | | | | 7/11/2022 | |
| Distance Well is From Was | te/Source Boundary | | | | Vaste/Source | | ed By: (Persons Nam nvironmental | e & Firm) |
| Is Well a Point of Enforcem | nent Std. Application | 1 ' ' | | ` <u> </u> | Sidegradient | Gage Kap | | |
| Yes | No | d dow | ngradient | 1 <u> </u> | Not Shown | 3-1-1- | | |
| | | | | | 1. Cap and Lock? | | X Yes | No |
| A. Protective pipe, top elevation | | ft. MSL | | // | Protective cover a. Inside diame | | 4 ir | 1 |
| B. Well casing, top elevation | | _ft. MSL | | | b. Length: | | 4 ft | |
| C. Land surface elevation | | ft. MSL | ᡮ | , | C. Material | | Steel Other | <u>X</u> 4 |
| D. Surface seal, bottom | ft. MSL 0.5 | ift. | $I \cap I$ | | d. Additional prIf yes, describe | | X Yes [Expandable locking | No No |
| | 11. WOL | $\frac{1}{2}$ | ` | Ĭ | - | | | _ |
| 12. USCS Classification of soil | near screen: | \mathcal{A} | | | 3. Surface seal: | | Bentonite X Concrete | [] 30] 1 |
| GP GM | GW SW | SP | <u> </u> | | | Concrete | Other | j |
| SM X SC Bedrock | ML X CL X | CH | | X | 4. Material betweer | well casing and | _ | 77 00 |
| 13.Sieve analysis attached? | Yes X | No | | | | Ar | Bentonite ☐ nnular space seal ☐ Other ☐ | 30 |
| 14. Drilling method used: | Rotary | | | | | | | |
| Direct Push | Hollow stem auge Othe | | | | Annular space se b. Lbs/g | | i. Granular Bentonite \(\) Bentonite-sand slurry | (<u> </u> |
| 15. Drilling fluid used: | Water 02 Air | 50 | | | | - | Bentonite slurry | 31 50 |
| | | X 41 | | : | | lume added for any | _ | _ 30 |
| 16. Drilling additives used? | ☐ Yes 🗓 | No - | | | f. How installed: | | Tremie Tremie Tremie Tremie pumped |] 1] 2 |
| Describe | | | | | | | Gravity 2 | = |
| 17. Source of water (attach a | nalysis) | [: | | / | 6. Bentonite seal: | a. | . Bentonite Granules 🔀 | 33 |
| | | | <i>z</i> ==== | | b ¼ in. X | 3/8 in ½ ir | n Bentonite pellets Other | 32 |
| E. Bentonite seal, top | ft. MSL or | 0.5 ft. | Z 03 0302 | / / | 7. Fine sand mate | erial: Manufacture | _ | esh size |
| F. Fine sand, top | ft. MSL or | 21.0 ft. | | | a. Sidley # 7 v. Volume added | 1 bags | ft: | 3 |
| G. Filter pack, top | ft. MSL or | 22.0 ft. | | | 8. Filter pack mat | erial: Manufactur | re, product name and m | nesh size |
| H. Screen joint, top | ft. MSL or | _23.0 ft. | 一日 / | | a. Sidley #5 v. Volume added | 3 Bags | ft: | 3 |
| I. Well bottom | ft. MSL or | 28.0 ft. | | / | 9.Well casing: | | I PVC schedule 40 [| X 23 24 |
| J. Filter pack , bottom | ft. MSL or | 28.5 ft. | | | | r idsir tiricaded | Other [| |
| K. Borehole, bottom | ft. MSL or | 28.5 ft. | | ` | 10. screen Mater | | | <u>v</u> |
| L. Borehole, diameter | <u>8</u> in | | |] | a: Screen type: | | Factory Cut Continuous slot Other | X 11 1 |
| M. O.D. Well casing | 2.375 in | | ` | | b: Manufacture | Hole F | Products | |
| N. I.D. Well casing | 2.067 in | | | | c: Slot size: d. Slotted lengt | h: | 0.0. | n. t. |
| | | | | \ | 11.Backfill Materi | al: | None [] Other [| X 14 |

| Department of Natural Resources | | | | Forn | n 4400-113E | 3 | | Rev. 4-90 | | |
|---|---|----------------------------|--------------------------------|-------------------------------|----------------|----------------|-------------------------------|---|--|--|
| | Route To: | : | ¬ | \\\\- | \\/ t t | _ | | | | |
| Env. Response & Repair | | id Waste [derground Ta | | Waste | Wastewate | Γ | | | | |
| | | 3 | | <u> </u> | | _ | | | | |
| Facility / Project Name | Cou | unty Name | | | | Well Na | me | | | |
| The Solberg Company - Site | 2 | | Brown | | | MW- | MW-12 | | | |
| Facility License/ Permit No./GEC Project | No. | County | / Code Wis. Unique Well Number | | | er | r DNR Well Number | | | |
| 2-0919-397B | | | 68 | | n/a | | n/a | | | |
| 1. Can this well be purged dry? | X Yes | No | | Before De | velopmen | t | After Develo | pment_ | | |
| 2. Well development method | _ | | 11. Dept | h to water | 4.4 | ft. | a ft. | | | |
| surge with bailer and bailed surged with bailer and pumped surged with block and bailed | ☐ 41 ☐ 61 ☐ 42 | | From Date | n top of well casing 7/11/22 | b. | | b. 7/11/22 | | | |
| surged with block and pumped surge with block, bailed and pumped compressed air | 62 70 20 | | Time | 11:38 | C. | p.m. X a.m. | c. 2:45 | X p.m.☐ a.m. | | |
| bailed only pumped only pumped slowly Other | ☐ 10 ☐ 51 ☐ 50 | | | ment in well ttom | | inches | | inches | | |
| 2. Time aport developing well | | 187 min. | 13.Wate | r clarity | | | | | | |
| Time spent developing well Depth of Well (from top of casing) | | 15.52 ft. | | Clear Turbid (Describe) | X |] 10] 15 | Clear Turbid (Describe) | X 10 15 | | |
| 5. Inside diameter of well | | 2.00 in. | | (Describe) | Cloudy | | (Describe) | | | |
| 6.Volume of water in filter pack and well casir | ng | 10.12 gal. | Fill in if | fluids were use | ed and wells | is at solid | waste facility: | l | | |
| 7. Volume of water removed from well | | 50 gal. | | | | | , I | | | |
| 8. Volume of water added (if any) | | 0 gal. | | l suspended blids | N/A | mg/l | N/A | mg/l | | |
| 9. Source of water added None | | | | | | | | | | |
| | | | 15. COD | ı | N/A | mg/l | N/A | mg/l | | |
| 10. Analysis performed on water added? (If yes, attach results) | ☐ Yes | □ No | | | | | | | | |
| 16. Additional comments on development | | | | | | | | | | |
| | | | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the al | oove informati | ion is true a | and correct to the best of my | knowledge. | | |
| , , | | | Signatu | - | | | • | J | | |
| Name: Brian Youngwirth | _ | | | | The state of | - Journ | gwirth | | | |
| | | | Print Ini | tials: <u>2</u> | 3 Cf | _ | | | | |
| Firm General Engineering Comp | any | | Firm: | | General E | Engineerin | g Company | | | |

| Department of Natural Resources | | | | Form | 4400-113 | В | | Rev. 4-90 |
|--|-----------------------------|-------------------|------------|----------------------|-------------|------------------|-----------------------------|---------------|
| | Route T | o: Solid Waste | П Нат | . Waste | Wastewate | er | | |
| Env. Response & Repair | | Underground Ta | | Other | vvasiowaii | Ci | | |
| | | | | | | _ | | |
| Facility / Project Name | _ | County Name | | | | Well Nar | | |
| The Solberg Company - Site | | | Brown | | | MW- | 13 | |
| Facility License/ Permit No./GEC Project | t No. | County | y Code | Wis. Unique | Well Numl | ber | DNR Well Number | |
| 2-0919-397B | | | 68 | | n/a | | n/ | 'a |
| 1. Can this well be purged dry? | X Yes | No | | Before Dev | /elopmei | nt | After Deve | lopment |
| 2. Well development method | | | 11. Dep | th to water | 5.26 | ft. | a. ft. | |
| surge with bailer and bailed | ☐ 41 | | Fro | m top of well casing | | | | |
| surged with bailer and pumped surged with block and bailed | ☐ 61 ☐ 42 | | Date | 7/11/22 | b. | | b. 7/11/22 | |
| surged with block and pumped | ☐ 72 ∑ 62 | | Date | 1/11/22 | D. | | D. 7711722 | |
| surge with block, bailed and pumped | <u> </u> | | Time | 10:28 | C. | p.m. | c. 12:15 | X p.m. |
| compressed air | ☐ 20 ☐ 40 | | | | | X a.m. | | a.m. |
| bailed only pumped only | ☐ 10 ☐ 51 | | 12. Sed | liment in well | | | | |
| pumped slowly | ☐ 50 | | b | ottom | | inches | | inches |
| Other | | | | | | | | · |
| 2. Time apont developing well | | 107 min. | 13.Wate | er clarity | | | | |
| 3. Time spent developing well | | 107 111111. | | Clear | | 10 | Clear | X 10 |
| 4. Depth of Well (from top of casing) | | 15.67 ft. | | Turbid | X | 15 | Turbid | 15 |
| | | | | (Describe) | o | | (Describe) | |
| 5. Inside diameter of well | | 2.00 in. | | | Cloudy | | | - |
| 6.Volume of water in filter pack and well casis | ng | 9.47 gal. | | | | ı | | ' |
| 7. Volume of water removed from well | | 50 gal. | Fill in if | fluids were use | d and wells | s is at solid v | waste facility: | |
| 7. Volume of water removed from well | | oo gai. | | | | Ī | | |
| 8. Volume of water added (if any) | | 0 gal. | | al suspended | | | | |
| 9. Source of water added None | | | s | olids | N/A | mg/l | N/ | 'A mg/l |
| <u></u> | | | | | | | | |
| | | | 15. COI | ס | N/A | mg/l | N/ | 'A mg/l |
| 10. Analysis performed on water added? (If yes, attach results) | | Yes No | | | | | | |
| (,,, | | | ı | | | | | |
| 16 Additional comments on development | | | | | | | | |
| 16. Additional comments on development | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the ab | ove informa | ition is true ar | nd correct to the best of m | ny knowledge. |
| | | | | | | | | |
| Duine Variante | | | Signati | ure: | sian. | Claure | nwirth | |
| Name: Brian Youngwirth | _ | | | | au l | Journey | | |
| | | | Print In | nitials: ${\cal B}$ | G | | | |
| | | | | | 0 | | | |
| Firm General Engineering Comp | any | - | Firm: | | General | Engineering | ı Company | |
| | | | Firm: | | General | Linginicetiing | , company | |

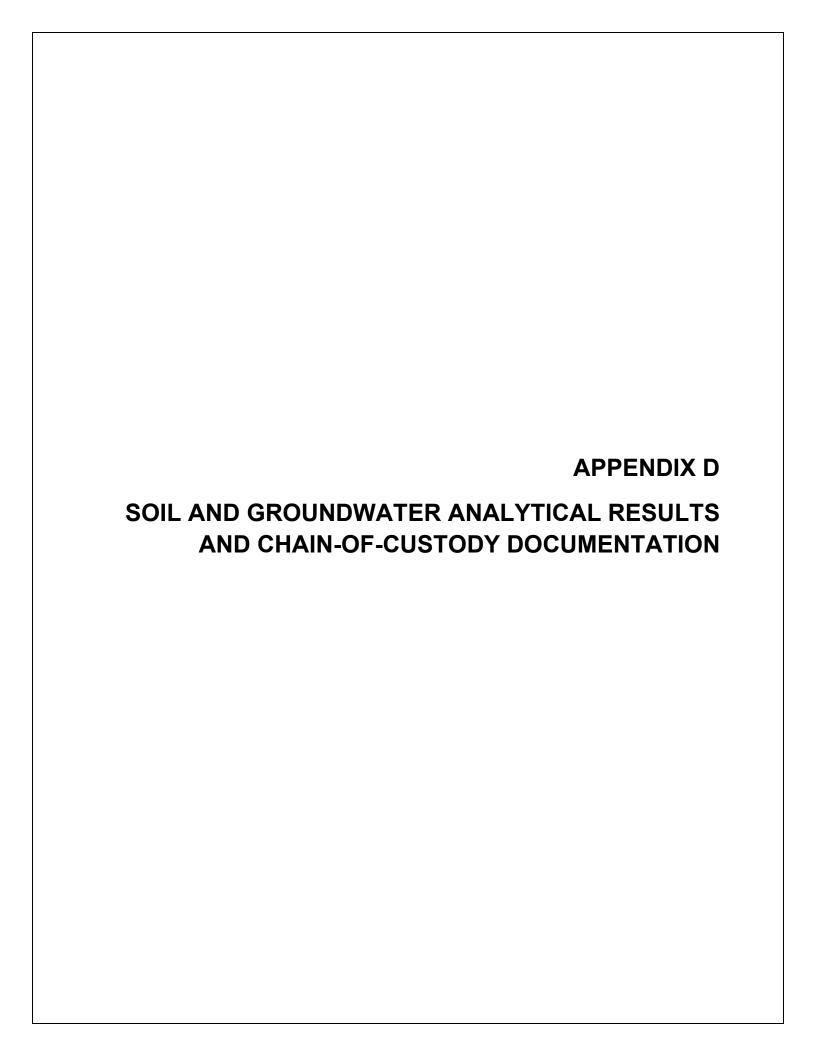
| Department of Natural Resources | | | | For | m 4400-113E | 3 | | Rev. 4-90 | | |
|--|--|-----------------------------|------------|--|------------------|------------------|--------------------------------|---|--|--|
| | Route To: | Г | - | ш. П | | | | | | |
| Env. Response & Repair | | lid Waste [derground Ta | | Waste | Wastewate | r | | | | |
| Liv. Nesponse a Nepan | | acigiouna ra | IIK3 | | | _ | | | | |
| Facility / Project Name | Co | unty Name | | | | Well Na | me | | | |
| The Solberg Company - Site | 2 | | Brown | | | MW- | ₩-14 | | | |
| Facility License/ Permit No./GEC Project | No. | County | Code | Wis. Unique | Well Numb | er | DNR Well Number | | | |
| 2-0919-397B | | | 68 | | n/a | | n/a | | | |
| 1. Can this well be purged dry? | X Yes | No | | Before De | velopmen | t | After Develo | pment | | |
| 2. Well development method surge with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surge with block, bailed and pumped compressed air | 41 61 42 62 70 20 | | | th to water n top of well casing 7/11/22 2:30 | 1.57 b. c. | ft. X p.m. a.m. | a ft. b. 7/11/22 c. 4:00 | X p.m.☐ a.m. | | |
| bailed only pumped only pumped slowly Other | ☐ 10 ☐ 51 ☐ 50 | | | ment in well ttom r clarity | | inches | | inches | | |
| 3. Time spent developing well | | 90 min. | | O. | | ٦., | | X 10 | | |
| 4. Depth of Well (from top of casing) | | 11.70 ft. | | Clear Turbid (Describe) | X |] 10] 15 | Clear Turbid (Describe) | 15 | | |
| 5. Inside diameter of well | | 2.00 in. | | | Cloudy | | - | | | |
| 6.Volume of water in filter pack and well casis | ng | 9.22 gal. | Fill in if | fluids were us | ed and wells | is at solid | waste facility: | I | | |
| 7. Volume of water removed from well | | 50 gal. | | | | | , I | | | |
| 8. Volume of water added (if any) | | 0 gal. | | l suspended olids | N/A | mg/l | N/A | mg/l | | |
| 9. Source of water added None | | | | | | · | | | | |
| 10. Analysis performed on water added? (If yes, attach results) | Yes | s No | 15. COD | | N/A | mg/l | N/A | mg/l | | |
| 16. Additional comments on development | | | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the a | bove informati | ion is true a | and correct to the best of my | knowledge. | | |
| Name: Brian Youngwirth | _ | | Signatu | re: <u>8</u> | rian G | foung | zwirth | | | |
| Fig. 2 Company Fig. 1 (1) C | | | Print Ini | tials: <u>2</u> | 3 G | _ | | | | |
| Firm General Engineering Comp | any | | Firm: | | General E | Engineerin | g Company | | | |

| Department of Natural Resources | | | | Form | 4400-113E | 3 | | Rev. 4-90 | | |
|--|--|---------------------------|--------------------------------|---|------------------|------------------|--------------------------------|---------------|--|--|
| | Route To: | л | — | , | M | | | | | |
| Env. Response & Repair | Solid \ | waste [ground Ta | | Waste | Wastewate | Γ | | | | |
| | | 5 | | <u> </u> | | _ | | | | |
| Facility / Project Name | Count | ty Name | | | | Well Na | me | | | |
| The Solberg Company - Site | 2 | | Brown | | | MW- | MW-15 | | | |
| Facility License/ Permit No./GEC Project | No. | County | / Code Wis. Unique Well Number | | | er | r DNR Well Number | | | |
| 2-0919-397B | | (| 68 | | n/a | | n. | /a | | |
| 1. Can this well be purged dry? | X Yes | No | | Before Dev | elopmen | t | After Deve | elopment | | |
| 2. Well development method surge with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surge with block, bailed and pumped compressed air | ☐ 41 ☐ 61 ☐ 42 ☑ 62 ☐ 70 ☐ 20 | | | th to water in top of well casing 7/11/22 2:00 | 1.88 b. c. | ft. X p.m. a.m. | a ft. b. 7/11/22 c. 3:30 | ∑ p.m. | | |
| bailed only pumped only pumped slowly Other | ☐ 10 ☐ 51 ☐ 50 | | | ment in well ttom r clarity | | inches | | inches | | |
| 3. Time spent developing well | , | 90 min. | | Clear | | 10 | Clear | X 10 | | |
| 4. Depth of Well (from top of casing) | 12. | 93 ft. | | Turbid (Describe) | X | 15 | Turbid (Describe) | 15 | | |
| 5. Inside diameter of well | 2.0 | 00 in. | | | Cloudy | | 1 | | | |
| 6.Volume of water in filter pack and well casir | ıg | 10 gal. | F:11 : :£ | f: | d d U- | :41:-1 | | · | | |
| 7. Volume of water removed from well | | 50 gal. | | fluids were use | u and wells | is at solid | waste facility. | | | |
| 8. Volume of water added (if any) | | 0 gal. | | l suspended blids | N/A | mg/l | N | /A mg/l | | |
| 9. Source of water added None | | _ | | | | | | | | |
| 10. Analysis performed on water added? (If yes, attach results) | Yes | No | 15. COD | | N/A | mg/l | N | /A mg/I | | |
| 16. Additional comments on development | | | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the ab | ove informati | ion is true a | and correct to the best of n | ny knowledge. | | |
| Name: Brian Youngwirth | _ | | Signatu | re: | rian G | foun | gwirth | | | |
| | | | Print Ini | tials: E | 3 G | _ | | | | |
| Firm General Engineering Comp | any | | Firm: | | General E | Engineerin | g Company | | | |

| Department of Natural Resources | | | | Forn | n 4400-113I | В | | Rev. 4-90 | | |
|---|---|---------------|--------------------------------|-------------------------------|--------------|-----------------|-------------------------------|--------------------|--|--|
| | Route To: | olid Waste | П нат | Waste | Wastewate | ar. | | | | |
| Env. Response & Repair | | nderground Ta | | Other | Wasiewaie | žI | | | | |
| | | | | | | | | | | |
| Facility / Project Name | С | ounty Name | ne Well N | | | Well Na | ame | | | |
| The Solberg Company - Site | 2 | | Br | own | | MW- | -16 | | | |
| Facility License/ Permit No./GEC Project | l No. | County | y Code Wis. Unique Well Number | | | er | r DNR Well Number | | | |
| 2-0919-397B | | | 68 | | n/a | | n/a | | | |
| 1. Can this well be purged dry? | Yes | X No | | Before Dev | velopmen | nt | After Develo | ppment | | |
| 2. Well development method | | | 11. Dep | th to water | 7.85 | ft. | a ft. | | | |
| surge with bailer and bailed surged with bailer and pumped surged with block and bailed | ☐ 41 ☐ 61 ☐ 42 | | Froi | m top of well casing 7/11/22 | b. | | b. 7/11/22 | | | |
| surged with block and pumped surge with block, bailed and pumped compressed air | 62 70 20 | | Time | 3:00 | C. | X p.m. | c. 4:00 | Х р.т. а.т. | | |
| bailed only pumped only pumped slowly Other | ☐ 10 ☐ 51 ☐ 50 | | | iment in well ottom | | inches | | inches | | |
| 3. Time spent developing well | | 60 min. | 13.Wate | er clarity | | | | | | |
| 4. Depth of Well (from top of casing) | | 15.60 ft. | | Clear Turbid (Describe) | X | 10 15 | Clear Turbid (Describe) | X 10 15 | | |
| 5. Inside diameter of well | | 2.00 in. | | (Boodingo) | Cloudy | | (Bessinge) | | | |
| 6.Volume of water in filter pack and well casi | ng | 7.05 gal. | Fill in if | fluids were use | d and wells | is at solid | waste facility: | l | | |
| 7. Volume of water removed from well | | 50 gal. | | | | | ı | | | |
| 8. Volume of water added (if any) | | 0 gal. | | ıl suspended olids | N/A | mg/l | N/A | mg/l | | |
| 9. Source of water added None | | | | | | | | | | |
| 10. Analysis performed on water added? | | es 🗌 No | 15. COD |) | N/A | mg/l | N/A | mg/l | | |
| (If yes, attach results) | <u></u> | es 🔲 No | | | | | | | | |
| 16. Additional comments on development | | | | | | | | | | |
| | | | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the ab | ove informat | tion is true a | and correct to the best of my | knowledge. | | |
| . , | | | Signatu | • | | | - | 3 | | |
| Name: Brian Youngwirth | _ | | Print In | itials: | 3 G | - | gwirth | | | |
| Firm General Engineering Comp | any | | Firm: | | General E | - Engineerin | g Company | | | |
| | | | 1 | | | | | | | |

| Department of Natural Resources | | | | Form | 4400-113E | 3 | | Rev. 4-90 | | |
|---|----------------------|----------------------|-------------------------------|----------------------|--------------|---------------|-------------------------------|-------------|--|--|
| | Route To: | olid Waste | _ ⊔от | Waste | Wastewate | .r | | | | |
| Env. Response & Repair | | nderground Ta | | Other | vvasiewaie | :1 | | | | |
| | | | | · <u>—</u> | | _ | | | | |
| Facility / Project Name | C | ounty Name | ne We | | | Well Na | /ell Name | | | |
| The Solberg Company - Site | 2 | | Br | own | | MW- | -17 | | | |
| Facility License/ Permit No./GEC Project | No. | County | y Code Wis. Unique Well Numbe | | | er | er DNR Well Number | | | |
| 2-0919-397B | | | 68 | | n/a | | n/a | | | |
| 1. Can this well be purged dry? | Yes | X No | | Before Dev | elopmen | nt | After Develo | pment | | |
| Well development method surge with bailer and bailed | <u> </u> | | - | th to water | 3.5 | ft. | a. ft. | | | |
| surged with bailer and pumped surged with block and bailed surged with block and pumped | ☐ 61 ☐ 42 ☑ 62 | | Date | 7/11/22 | b. | | b. 7/11/22 | | | |
| surge with block, bailed and pumped compressed air bailed only | 70 20 10 | | Time | 3:30 | C. | X p.m. | c. 4:30 | X p.m. a.m. | | |
| pumped only pumped slowly Other | 51 50 | | | ment in well ttom | | inches | | inches | | |
| | _ | | 13.Wate | r clarity | | | | | | |
| Time spent developing well Depth of Well (from top of casing) | | 60 min. 15.78 ft. | | Clear Turbid | X |] 10] 15 | Clear Turbid | X 10 | | |
| 5. Inside diameter of well | | 2.00 in. | | (Describe) | Cloudy | _ | (Describe) | | | |
| S. Molad diameter of from | | 2.00 III. | | | Oloddy | | † | | | |
| 6.Volume of water in filter pack and well casir | ng | 11.17 gal. | Fill in if | fluids were use | d and wells | is at solid | waste facility: | | | |
| 7. Volume of water removed from well | | 50 gal. | | | | | , I | | | |
| 8. Volume of water added (if any) | | 0 gal. | | l suspended blids | N/A | mg/l | N/A | mg/l | | |
| 9. Source of water added None | | | | | | | | | | |
| | | | 15. COD | l | N/A | mg/l | N/A | mg/l | | |
| 10. Analysis performed on water added? (If yes, attach results) | ☐ Ye | es No | | | | | | | | |
| 16. Additional comments on development | | | | | | | L | | | |
| | | | | | | | | | | |
| Well developed by: Person's Name and Firm | | | l hereby | certify that the ab | ove informat | ion is true o | and correct to the best of my | knowledge | | |
| as respect by a strong frame and filli | | | Погору | | | | · | | | |
| Name: Brian Youngwirth | _ | | Signatu | re: | rian | Goun | egwirth | | | |
| | | | Print Ini | tials: 2 | 3 y | <u> </u> | | | | |
| Firm General Engineering Comp | any | | Firm: | | General E | Engineerin | g Company | | | |

| Department of Natural Resources | | | | Form | 4400-113E | 3 | | Rev. 4-90 |
|--|----------|--------------------|--------------------------------|---|-------------------|------------------|--------------------------------|--------------|
| | Route To | : Solid Waste [| П цот | Waste . | Wastewate | .r | | |
| Env. Response & Repair | | Underground Ta | | Other | vasiewaie | :1 | | |
| | _ | | | <u>—</u> | | _ | | |
| Facility / Project Name | | County Name | | | | Well Na | me | |
| The Solberg Company - Site | 2 | | Bro | own | | PZ-2 | 2 | |
| Facility License/ Permit No./GEC Project | No. | County | y Code Wis. Unique Well Number | | | er | DNR Well Number | |
| 2-0919-397B | | | 68 | | n/a | | n/a | a |
| 1. Can this well be purged dry? | X Yes | No | | Before Dev | elopmen | ıt | After Deve | opment |
| 2. Well development method surge with bailer and bailed surged with bailer and pumped surged with block and bailed surged with block and pumped surge with block, bailed and pumped compressed air bailed only pumped only pumped slowly | 41 | | Date Time | h to water n top of well casing 7/11/22 1:50 ment in well ttom | 11.35 b. c. | ft. X p.m. a.m. | a ft. b. 7/11/22 c. 3:15 | |
| Other | | | 12 Water | r alarity | | | | |
| 3. Time spent developing well | | 85 min. | 13.Water | cianty | | | | |
| 4. Depth of Well (from top of casing) | | 30.63 ft. | | Clear Turbid (Describe) | X |] 10] 15 | Clear Turbid (Describe) | X 10 15 |
| 5. Inside diameter of well | | 2.00 in. | | | Cloudy | | | |
| 6.Volume of water in filter pack and well casir | ng | 17.5 gal. | | | | | I | l |
| 7. Volume of water removed from well | | 50 gal. | Fill in if | fluids were used | d and wells | is at solid | waste facility: | |
| 8. Volume of water added (if any) | | 0 gal. | | suspended | N/A | mg/l | N// | A mg/I |
| 9. Source of water added None | | | 45.000 | | NI/A | | N// | N |
| 10. Analysis performed on water added? (If yes, attach results) | | Yes No | 15. COD | | N/A | mg/l | N// | A mg/l |
| 16. Additional comments on development | | | | | | | | |
| | | | | | | | | |
| Well developed by: Person's Name and Firm | | | I hereby | certify that the abo | ove informat | ion is true a | and correct to the best of m | y knowledge. |
| Name: Brian Youngwirth | _ | | Signatu | re: | rian | Goun | egwirth | |
| | | | Print Ini | tials: \mathcal{E} | 3 cf (| _ | - | |
| Firm General Engineering Comp | any | | Firm: | | General E | Engineerin | g Company | |



Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive, PO Box 7996 Madison, WI 53707-7996 (800)442-4618 - FAX (608)224-6213 http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 629917001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: B-14/SS-1

Project No: BRIAN YOUNGWIRTH

Collection End: 7/11/2022 9:18:00 AM

Collection Start:

Collected By: BETH MCCORMICK Date Received: 7/12/2022 Date Reported: 7/25/2022

Sample Reason:

ID#: NA

Sample Location: 1520 BROOKFIELD

Sample Description:

Sample Type: SO-SOIL

Waterbody:
Point or Outfall:
Sample Depth: 1F
Program Code:
Region Code:

County: 5

Sample Comments

Sample results are reported based on the dry weight of the sample. Results have been adjusted to account for the sample's moisture content.

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 11:1 | 7 | | | |
| PFBA (375-22-4) | WSLH PFAS in Solids | <0.681 | ng/g | 0.681 | 2.93 |
| PFPeA (2706-90-3) | WSLH PFAS in Solids | <0.405 | ng/g | 0.405 | 1.17 |
| PFBS (375-73-5) | WSLH PFAS in Solids | <0.319 | ng/g | 0.319 | 1.17 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Solids | <0.294 | ng/g | 0.294 | 1.17 |
| PFHxA (307-24-4) | WSLH PFAS in Solids | <0.401 | ng/g | 0.401 | 1.17 |
| PFPeS (2706-91-4) | WSLH PFAS in Solids | <0.344 | ng/g | 0.344 | 1.17 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Solids | <0.295 | ng/g | 0.295 | 1.17 |
| PFHpA (375-85-9) | WSLH PFAS in Solids | <0.379 | ng/g | 0.379 | 1.17 |
| PFHxS (355-46-4) | WSLH PFAS in Solids | <0.382 | ng/g | 0.382 | 1.17 |
| DONA (919005-14-4) | WSLH PFAS in Solids | <0.354 | ng/g | 0.354 | 1.17 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Solids | <0.372 | ng/g | 0.372 | 1.17 |
| PFOA (335-67-1) | WSLH PFAS in Solids | <0.375 | ng/g | 0.375 | 1.17 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 629917001

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|---------|-------|---------|---------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 11:1 | 7 | | | |
| PFHpS (375-92-8) | WSLH PFAS in Solids | <0.407 | ng/g | 0.407 | 1.17 |
| PFOS (1763-23-1) | WSLH PFAS in Solids | <0.401 | ng/g | 0.401 | 1.17 |
| PFNA (375-95-1) | WSLH PFAS in Solids | <0.340 | ng/g | 0.340 | 1.17 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Solids | <0.379 | ng/g | 0.379 | 1.17 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Solids | <0.466 | ng/g | 0.466 | 1.17 |
| PFDA (335-76-2) | WSLH PFAS in Solids | <0.382 | ng/g | 0.382 | 1.17 |
| PFNS (68259-12-1) | WSLH PFAS in Solids | <0.339 | ng/g | 0.339 | 1.17 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Solids | <0.532 | ng/g | 0.532 | 1.17 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Solids | <0.335 | ng/g | 0.335 | 1.17 |
| FOSA (754-91-6) | WSLH PFAS in Solids | <0.383 | ng/g | 0.383 | 1.17 |
| PFUnA (2058-94-8) | WSLH PFAS in Solids | <0.320 | ng/g | 0.320 | 1.17 |
| PFDS (335-77-3) | WSLH PFAS in Solids | <0.340 | ng/g | 0.340 | 1.17 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Solids | <0.362 | ng/g | 0.362 | 1.17 |
| PFDoA (307-55-1) | WSLH PFAS in Solids | <0.448 | ng/g | 0.448 | 1.17 |
| PFDoS (79780-39-5) | WSLH PFAS in Solids | <0.428 | ng/g | 0.428 | 1.17 |
| PFTrDA (72629-94-8) | WSLH PFAS in Solids | <0.403 | ng/g | 0.403 | 1.17 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Solids | < 0.436 | ng/g | 0.436 | 1.17 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Solids | <0.517 | ng/g | 0.517 | 1.17 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Solids | <0.279 | ng/g | 0.279 | 1.17 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Solids | <0.417 | ng/g | 0.417 | 1.17 |
| PFTeDA (376-06-7) | WSLH PFAS in Solids | <0.406 | ng/g | 0.406 | 1.17 |
| | | | | | |
| Analyte | Analysis Method | Result | Units | LOD | LOQ |
| Prep Date: 07/19/22 10:45 | Analysis Date: 07/19/22 10:4 | 5 | | | |
| PERCENT SOLIDS | EPA 160.3 | 79.7 | % | 0.00200 | 0.00200 |



Laboratory Report

Environmental Health Division

WSLH Sample: 629917001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Previous Reports

This sample was previously reported under the following report ID(s): 9923523

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230

Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Monday, July 25, 2022 2:21:13 PM Page 3 of 15

Laboratory Report

Environmental Health Division

WSLH Sample: 629917003

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: B-19/6INCH

Project No: BRIAN YOUNGWIRTH Collection End: 7/11/2022 7:29:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/12/2022 Date Reported: 7/25/2022 Sample Reason:

ID#:

Sample Location:
Sample Description:

Sample Type: SO-SOIL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:

Region Code: County:

Sample Comments

Sample results are reported based on the dry weight of the sample. Results have been adjusted to account for the sample's moisture content.

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 11:4 | 5 | | | |
| PFBA (375-22-4) | WSLH PFAS in Solids | <0.608 | ng/g | 0.608 | 2.62 |
| PFPeA (2706-90-3) | WSLH PFAS in Solids | <0.361 | ng/g | 0.361 | 1.05 |
| PFBS (375-73-5) | WSLH PFAS in Solids | <0.285 | ng/g | 0.285 | 1.05 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Solids | <0.263 | ng/g | 0.263 | 1.05 |
| PFHxA (307-24-4) | WSLH PFAS in Solids | <0.358 | ng/g | 0.358 | 1.05 |
| PFPeS (2706-91-4) | WSLH PFAS in Solids | <0.307 | ng/g | 0.307 | 1.05 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Solids | <0.264 | ng/g | 0.264 | 1.05 |
| PFHpA (375-85-9) | WSLH PFAS in Solids | <0.338 | ng/g | 0.338 | 1.05 |
| PFHxS (355-46-4) | WSLH PFAS in Solids | <0.341 | ng/g | 0.341 | 1.05 |
| DONA (919005-14-4) | WSLH PFAS in Solids | <0.316 | ng/g | 0.316 | 1.05 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Solids | <0.332 | ng/g | 0.332 | 1.05 |
| PFOA (335-67-1) | WSLH PFAS in Solids | <0.335 | ng/g | 0.335 | 1.05 |
| | | | | | |

ge 4 of 15 Report ID: 9923667

Laboratory Report

Environmental Health Division

WSLH Sample: 629917003

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|-------------------------------|--------|-------|---------|---------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 11:45 | 5 | | | |
| PFHpS (375-92-8) | WSLH PFAS in Solids | <0.363 | ng/g | 0.363 | 1.05 |
| PFOS (1763-23-1) | WSLH PFAS in Solids | <0.358 | ng/g | 0.358 | 1.05 |
| PFNA (375-95-1) | WSLH PFAS in Solids | <0.304 | ng/g | 0.304 | 1.05 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Solids | <0.338 | ng/g | 0.338 | 1.05 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Solids | <0.416 | ng/g | 0.416 | 1.05 |
| PFDA (335-76-2) | WSLH PFAS in Solids | <0.341 | ng/g | 0.341 | 1.05 |
| PFNS (68259-12-1) | WSLH PFAS in Solids | <0.303 | ng/g | 0.303 | 1.05 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Solids | <0.475 | ng/g | 0.475 | 1.05 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Solids | <0.299 | ng/g | 0.299 | 1.05 |
| FOSA (754-91-6) | WSLH PFAS in Solids | <0.342 | ng/g | 0.342 | 1.05 |
| PFUnA (2058-94-8) | WSLH PFAS in Solids | <0.286 | ng/g | 0.286 | 1.05 |
| PFDS (335-77-3) | WSLH PFAS in Solids | <0.304 | ng/g | 0.304 | 1.05 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Solids | <0.323 | ng/g | 0.323 | 1.05 |
| PFDoA (307-55-1) | WSLH PFAS in Solids | <0.400 | ng/g | 0.400 | 1.05 |
| PFDoS (79780-39-5) | WSLH PFAS in Solids | <0.382 | ng/g | 0.382 | 1.05 |
| PFTrDA (72629-94-8) | WSLH PFAS in Solids | <0.360 | ng/g | 0.360 | 1.05 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Solids | <0.389 | ng/g | 0.389 | 1.05 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Solids | <0.462 | ng/g | 0.462 | 1.05 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Solids | <0.249 | ng/g | 0.249 | 1.05 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Solids | <0.373 | ng/g | 0.373 | 1.05 |
| PFTeDA (376-06-7) | WSLH PFAS in Solids | <0.362 | ng/g | 0.362 | 1.05 |
| | | | | | |
| Analyte | Analysis Method | Result | Units | LOD | LOQ |
| Prep Date: 07/19/22 10:45 | Analysis Date: 07/19/22 10:4 | 5 | | | |
| PERCENT SOLIDS | EPA 160.3 | 83.1 | % | 0.00200 | 0.00200 |



Laboratory Report

Environmental Health Division

WSLH Sample: 629917003

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Previous Reports

This sample was previously reported under the following report ID(s): 9923523

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227

Monday, July 25, 2022 2:21:14 PM Page 6 of 15

Laboratory Report

Environmental Health Division

WSLH Sample: 629917004

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

Sample Location: 1520 BROOKFIELD

PORTAGE, WI 53901 Customer ID: 336628

Field #: B-13/SS-1

Project No: **BRIAN YOUNGWIRTH**

Collection End: 7/11/2022 10:45:00 AM

Collection Start:

Sample Reason:

Collected By: BETH MCCORMICK Date Received: 7/12/2022 Date Reported: 7/25/2022

Waterbody: Point or Outfall: Sample Depth: 1F Program Code: Region Code: County: 5

Sample Description:

Sample Type: SO-SOIL

ID#: NA

Sample Comments

BOTTLE LABLED B-13/MW12

Sample results are reported based on the dry weight of the sample. Results have been adjusted to account for the sample's moisture content.

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 12:1 | 2 | | | |
| PFBA (375-22-4) | WSLH PFAS in Solids | <0.620 | ng/g | 0.620 | 2.67 |
| PFPeA (2706-90-3) | WSLH PFAS in Solids | <0.368 | ng/g | 0.368 | 1.07 |
| PFBS (375-73-5) | WSLH PFAS in Solids | <0.290 | ng/g | 0.290 | 1.07 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Solids | <0.268 | ng/g | 0.268 | 1.07 |
| PFHxA (307-24-4) | WSLH PFAS in Solids | <0.365 | ng/g | 0.365 | 1.07 |
| PFPeS (2706-91-4) | WSLH PFAS in Solids | <0.313 | ng/g | 0.313 | 1.07 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Solids | <0.269 | ng/g | 0.269 | 1.07 |
| PFHpA (375-85-9) | WSLH PFAS in Solids | <0.345 | ng/g | 0.345 | 1.07 |
| PFHxS (355-46-4) | WSLH PFAS in Solids | <0.348 | ng/g | 0.348 | 1.07 |
| DONA (919005-14-4) | WSLH PFAS in Solids | <0.322 | ng/g | 0.322 | 1.07 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Solids | <0.338 | ng/g | 0.338 | 1.07 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 629917004

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|---------|---------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 12:1 | 2 | | | |
| PFOA (335-67-1) | WSLH PFAS in Solids | <0.341 | ng/g | 0.341 | 1.07 |
| PFHpS (375-92-8) | WSLH PFAS in Solids | <0.370 | ng/g | 0.370 | 1.07 |
| PFOS (1763-23-1) | WSLH PFAS in Solids | <0.365 | ng/g | 0.365 | 1.07 |
| PFNA (375-95-1) | WSLH PFAS in Solids | <0.309 | ng/g | 0.309 | 1.07 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Solids | <0.345 | ng/g | 0.345 | 1.07 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Solids | <0.424 | ng/g | 0.424 | 1.07 |
| PFDA (335-76-2) | WSLH PFAS in Solids | <0.348 | ng/g | 0.348 | 1.07 |
| PFNS (68259-12-1) | WSLH PFAS in Solids | <0.308 | ng/g | 0.308 | 1.07 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Solids | <0.484 | ng/g | 0.484 | 1.07 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Solids | <0.305 | ng/g | 0.305 | 1.07 |
| FOSA (754-91-6) | WSLH PFAS in Solids | <0.349 | ng/g | 0.349 | 1.07 |
| PFUnA (2058-94-8) | WSLH PFAS in Solids | <0.291 | ng/g | 0.291 | 1.07 |
| PFDS (335-77-3) | WSLH PFAS in Solids | <0.309 | ng/g | 0.309 | 1.07 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Solids | <0.330 | ng/g | 0.330 | 1.07 |
| PFDoA (307-55-1) | WSLH PFAS in Solids | <0.408 | ng/g | 0.408 | 1.07 |
| PFDoS (79780-39-5) | WSLH PFAS in Solids | <0.390 | ng/g | 0.390 | 1.07 |
| PFTrDA (72629-94-8) | WSLH PFAS in Solids | <0.367 | ng/g | 0.367 | 1.07 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Solids | <0.397 | ng/g | 0.397 | 1.07 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Solids | <0.471 | ng/g | 0.471 | 1.07 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Solids | <0.254 | ng/g | 0.254 | 1.07 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Solids | <0.380 | ng/g | 0.380 | 1.07 |
| PFTeDA (376-06-7) | WSLH PFAS in Solids | <0.369 | ng/g | 0.369 | 1.07 |
| | | | | | |
| Analyte | Analysis Method | Result | Units | LOD | LOQ |
| Prep Date: 07/19/22 10:45 | Analysis Date: 07/19/22 10:4 | 5 | | | |
| PERCENT SOLIDS | EPA 160.3 | 86.0 | % | 0.00200 | 0.00200 |



Laboratory Report

Environmental Health Division

WSLH Sample: 629917004

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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Previous Reports

This sample was previously reported under the following report ID(s): 9923523

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6237

Monday, July 25, 2022 2:21:16 PM Page 9 of 15

Laboratory Report

Environmental Health Division

WSLH Sample: 629917005

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: B-18/6INCH

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/11/2022 1:25:00 PM

Collection Start:

Date Received: 7/12/2022 Date Reported: 7/25/2022 Sample Reason:

Collected By: BRIAN YOUNGWIRTH

ID#:

Sample Location: Sample Description:

Sample Type: SO-SOIL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample results are reported based on the dry weight of the sample. Results have been adjusted to account for the sample's moisture content.

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 12:4 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Solids | <0.677 | ng/g | 0.677 | 2.91 |
| PFPeA (2706-90-3) | WSLH PFAS in Solids | <0.402 | ng/g | 0.402 | 1.17 |
| PFBS (375-73-5) | WSLH PFAS in Solids | <0.317 | ng/g | 0.317 | 1.17 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Solids | <0.292 | ng/g | 0.292 | 1.17 |
| PFHxA (307-24-4) | WSLH PFAS in Solids | <0.398 | ng/g | 0.398 | 1.17 |
| PFPeS (2706-91-4) | WSLH PFAS in Solids | <0.341 | ng/g | 0.341 | 1.17 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Solids | <0.294 | ng/g | 0.294 | 1.17 |
| PFHpA (375-85-9) | WSLH PFAS in Solids | <0.376 | ng/g | 0.376 | 1.17 |
| PFHxS (355-46-4) | WSLH PFAS in Solids | <0.380 | ng/g | 0.380 | 1.17 |
| DONA (919005-14-4) | WSLH PFAS in Solids | <0.352 | ng/g | 0.352 | 1.17 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Solids | <0.369 | ng/g | 0.369 | 1.17 |
| PFOA (335-67-1) | WSLH PFAS in Solids | <0.373 | ng/g | 0.373 | 1.17 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 629917005

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|---------|---------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 12:4 | 0 | | | |
| PFHpS (375-92-8) | WSLH PFAS in Solids | <0.404 | ng/g | 0.404 | 1.17 |
| PFOS (1763-23-1) | WSLH PFAS in Solids | <0.398 | ng/g | 0.398 | 1.17 |
| PFNA (375-95-1) | WSLH PFAS in Solids | <0.338 | ng/g | 0.338 | 1.17 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Solids | <0.376 | ng/g | 0.376 | 1.17 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Solids | <0.463 | ng/g | 0.463 | 1.17 |
| PFDA (335-76-2) | WSLH PFAS in Solids | <0.380 | ng/g | 0.380 | 1.17 |
| PFNS (68259-12-1) | WSLH PFAS in Solids | <0.337 | ng/g | 0.337 | 1.17 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Solids | <0.529 | ng/g | 0.529 | 1.17 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Solids | <0.333 | ng/g | 0.333 | 1.17 |
| FOSA (754-91-6) | WSLH PFAS in Solids | <0.381 | ng/g | 0.381 | 1.17 |
| PFUnA (2058-94-8) | WSLH PFAS in Solids | <0.318 | ng/g | 0.318 | 1.17 |
| PFDS (335-77-3) | WSLH PFAS in Solids | <0.338 | ng/g | 0.338 | 1.17 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Solids | <0.360 | ng/g | 0.360 | 1.17 |
| PFDoA (307-55-1) | WSLH PFAS in Solids | <0.445 | ng/g | 0.445 | 1.17 |
| PFDoS (79780-39-5) | WSLH PFAS in Solids | <0.425 | ng/g | 0.425 | 1.17 |
| PFTrDA (72629-94-8) | WSLH PFAS in Solids | <0.401 | ng/g | 0.401 | 1.17 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Solids | <0.433 | ng/g | 0.433 | 1.17 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Solids | <0.514 | ng/g | 0.514 | 1.17 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Solids | <0.277 | ng/g | 0.277 | 1.17 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Solids | <0.415 | ng/g | 0.415 | 1.17 |
| PFTeDA (376-06-7) | WSLH PFAS in Solids | <0.403 | ng/g | 0.403 | 1.17 |
| | | | | | |
| Analyte | Analysis Method | Result | Units | LOD | LOQ |
| Prep Date: 07/19/22 10:45 | Analysis Date: 07/19/22 10:4 | 5 | | | |
| PERCENT SOLIDS | EPA 160.3 | 82.5 | % | 0.00200 | 0.00200 |



Laboratory Report

Environmental Health Division

WSLH Sample: 629917005

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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Previous Reports

This sample was previously reported under the following report ID(s): 9923523

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227

Monday, July 25, 2022 2:21:18 PM Page 12 of 15

Laboratory Report

Environmental Health Division

WSLH Sample: 629917006

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: B-17/MW-16

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/11/2022 3:06:00 PM

Collection Start:

Collected By: BETH MCCORMICK Date Received: 7/12/2022 Date Reported: 7/25/2022

Sample Reason:

Sample Type: SO-SOIL Waterbody:

> Sample Depth: 1F Program Code:

Sample Location:

Sample Description:

Region Code:

Point or Outfall:

County:

ID#:

Sample Comments

Sample results are reported based on the dry weight of the sample. Results have been adjusted to account for the sample's moisture content.

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 13:3 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Solids | <0.547 | ng/g | 0.547 | 2.35 |
| PFPeA (2706-90-3) | WSLH PFAS in Solids | <0.325 | ng/g | 0.325 | 0.941 |
| PFBS (375-73-5) | WSLH PFAS in Solids | <0.256 | ng/g | 0.256 | 0.941 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Solids | <0.236 | ng/g | 0.236 | 0.941 |
| PFHxA (307-24-4) | WSLH PFAS in Solids | <0.322 | ng/g | 0.322 | 0.941 |
| PFPeS (2706-91-4) | WSLH PFAS in Solids | <0.276 | ng/g | 0.276 | 0.941 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Solids | <0.237 | ng/g | 0.237 | 0.941 |
| PFHpA (375-85-9) | WSLH PFAS in Solids | <0.304 | ng/g | 0.304 | 0.941 |
| PFHxS (355-46-4) | WSLH PFAS in Solids | <0.307 | ng/g | 0.307 | 0.941 |
| DONA (919005-14-4) | WSLH PFAS in Solids | <0.284 | ng/g | 0.284 | 0.941 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Solids | <0.298 | ng/g | 0.298 | 0.941 |
| PFOA (335-67-1) | WSLH PFAS in Solids | <0.301 | ng/g | 0.301 | 0.941 |
| | | | | | |

Page 13 of 15 Report ID: 9923667

Laboratory Report

Environmental Health Division

WSLH Sample: 629917006

PFAS in Solids

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|---------|-------|--------|-----------|
| Prep Date: 07/19/22 11:10 | Analysis Date: 07/21/22 13:3 | 6 | | | |
| PFHpS (375-92-8) | WSLH PFAS in Solids | <0.327 | ng/g | 0.327 | 0.941 |
| PFOS (1763-23-1) | WSLH PFAS in Solids | <0.322 | ng/g | 0.322 | 0.941 |
| PFNA (375-95-1) | WSLH PFAS in Solids | <0.273 | ng/g | 0.273 | 0.941 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Solids | < 0.304 | ng/g | 0.304 | 0.941 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Solids | < 0.374 | ng/g | 0.374 | 0.941 |
| PFDA (335-76-2) | WSLH PFAS in Solids | <0.307 | ng/g | 0.307 | 0.941 |
| PFNS (68259-12-1) | WSLH PFAS in Solids | <0.272 | ng/g | 0.272 | 0.941 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Solids | <0.427 | ng/g | 0.427 | 0.941 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Solids | <0.269 | ng/g | 0.269 | 0.941 |
| FOSA (754-91-6) | WSLH PFAS in Solids | <0.308 | ng/g | 0.308 | 0.941 |
| PFUnA (2058-94-8) | WSLH PFAS in Solids | <0.257 | ng/g | 0.257 | 0.941 |
| PFDS (335-77-3) | WSLH PFAS in Solids | <0.273 | ng/g | 0.273 | 0.941 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Solids | <0.291 | ng/g | 0.291 | 0.941 |
| PFDoA (307-55-1) | WSLH PFAS in Solids | <0.360 | ng/g | 0.360 | 0.941 |
| PFDoS (79780-39-5) | WSLH PFAS in Solids | <0.344 | ng/g | 0.344 | 0.941 |
| PFTrDA (72629-94-8) | WSLH PFAS in Solids | <0.324 | ng/g | 0.324 | 0.941 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Solids | <0.350 | ng/g | 0.350 | 0.941 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Solids | <0.415 | ng/g | 0.415 | 0.941 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Solids | <0.224 | ng/g | 0.224 | 0.941 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Solids | < 0.335 | ng/g | 0.335 | 0.941 |
| PFTeDA (376-06-7) | WSLH PFAS in Solids | <0.326 | ng/g | 0.326 | 0.941 |
| | | | | | |
| Analyte | Analysis Method | Result | Units | LOD | LOQ |
| Prep Date: 07/19/22 10:45 | Analysis Date: 07/19/22 10:4 | 5 | | | |
| PERCENT SOLIDS | EPA 160.3 | 86.4 | % | 0.0020 | 0 0.00200 |



Laboratory Report

Environmental Health Division

WSLH Sample: 629917006

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Previous Reports

This sample was previously reported under the following report ID(s): 9923523

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Monday, July 25, 2022 2:21:19 PM Page 15 of 15

Laboratory Report

Environmental Health Division

WSLH Sample: 630519001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-1

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 1:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 09:5 | 4 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 706 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 10.4 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 11.9 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 558 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 11.9 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| | | | | | |

Report ID: 10012586 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630519001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---|--------------------------------|------------------------------|-----------------------|------|------|
| Prep Date: 07/19/22 08:40 Analy | vsis Date: 07/26/22 09:5 | 4 | | | |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | 9.19F | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | 3.15F | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| The Laboratory Control Spike (LCS) doe | s not meet the upper QC limit | | | | |
| Prep Date: 07/19/22 08:40 Analy | sis Date: 07/26/22 16:3 | 7 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 5550 | ng/L | 37.5 | 250 |
| Results for this analyte were reported fro approximate. | m a diluted sample extract. Ti | rue isotope dilution was not | achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 4320 | ng/L | 51.0 | 250 |
| Results for this analyte were reported fro approximate. | m a diluted sample extract. Ti | rue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 21600 | ng/L | 68.0 | 250 |
| Results for this analyte were reported fro | m a diluted sample extract. Ti | rue isotope dilution was not | achieved Results are | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630519001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012586

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630519002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 1:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code: County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 14:4 | 8 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.340 | ng/L | 0.340 | 0.982 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.982 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.227 | ng/L | 0.227 | 0.982 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.982 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.200 | ng/L | 0.200 | 0.982 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.134 | ng/L | 0.134 | 0.982 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.982 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.982 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.982 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.982 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.982 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.982 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.982 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630519002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 14:4 | 8 | | | _ |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.982 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.982 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.982 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.257 | ng/L | 0.257 | 0.982 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.160 | ng/L | 0.160 | 0.982 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.982 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.215 | ng/L | 0.215 | 0.982 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.982 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.982 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.218 | ng/L | 0.218 | 0.982 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.252 | ng/L | 0.252 | 0.982 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.982 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.982 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.243 | ng/L | 0.243 | 0.982 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.982 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.982 | ng/L | 0.982 | 1.96 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.276 | ng/L | 0.276 | 0.982 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.682 | ng/L | 0.682 | 1.96 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.982 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.172 | ng/L | 0.172 | 0.982 |
| | | | | | |

Report ID: 10012586

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630519002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:41:40 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630520001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 1:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 10:2 | 5 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 873 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 15.7 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 12.7 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 834 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 10.3 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| | | | | | |

Report ID: 10012589 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630520001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|--|---------------------------------|------------------------------|-----------------------|------|------|
| Prep Date: 07/19/22 08:40 Analy | ysis Date: 07/26/22 10:2 | 5 | | | |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| The Laboratory Control Spike (LCS) doe | es not meet the upper QC limit | | | | |
| Prep Date: 07/19/22 08:40 Analy | ysis Date: 07/26/22 16:5 | 2 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 4290 | ng/L | 37.5 | 250 |
| Results for this analyte were reported from a diluted sample extract. True isotope dilution was not achieved. Results are approximate. | | | | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 3050 | ng/L | 51.0 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. To | rue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 16000 | ng/L | 68.0 | 250 |
| Results for this analyte were reported fro | om a diluted sample extract. To | rue isotope dilution was not | achieved Results are | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630520001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:41:45 AM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630520002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 1:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:0 | 4 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.337 | ng/L | 0.337 | 0.975 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 0.246F | ng/L | 0.146 | 0.975 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.225 | ng/L | 0.225 | 0.975 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.975 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.199 | ng/L | 0.199 | 0.975 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.975 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.975 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.975 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.975 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.975 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 7.96 | ng/L | 0.265 | 0.975 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.975 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.975 |
| | | | | | |

age 4 of 6 Report ID: 10012589

Laboratory Report

Environmental Health Division

WSLH Sample: 630520002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|---------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:0 | 4 | | | _ |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.975 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.975 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.975 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.255 | ng/L | 0.255 | 0.975 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.975 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.975 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.975 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.975 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 0.975 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.975 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.251 | ng/L | 0.251 | 0.975 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.975 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.264 | ng/L | 0.264 | 0.975 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.241 | ng/L | 0.241 | 0.975 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.975 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | < 0.975 | ng/L | 0.975 | 1.95 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.274 | ng/L | 0.274 | 0.975 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.677 | ng/L | 0.677 | 1.95 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.975 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.171 | ng/L | 0.171 | 0.975 |
| | | | | | |

Report ID: 10012589

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630520002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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Report ID: 10012589

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630521001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-3

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 1:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location:
Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|-----------------------------------|-------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 10:50 | 6 | | | |
| PFBS (375-73-5) | WSLH PFAS in Water | 12.5 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 125 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | 2.50F | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 143 | ng/L | 1.08 | 10.0 |
| The internal standard QC limit ha | as failed low. | | | | |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| | | | | | |

age 1 of 7 Report ID: 10012600

Laboratory Report

Environmental Health Division

WSLH Sample: 630521001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|--|--------------------------------|------------------------------|-----------------------|------|------|
| Prep Date: 07/19/22 08:40 Analys | sis Date: 07/26/22 10:5 | 6 | | | |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| The Laboratory Control Spike (LCS) does | not meet the upper QC limit | | | | |
| Prep Date: 07/19/22 08:40 Analys | sis Date: 07/26/22 17:0 | 8 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 4480 | ng/L | 173 | 500 |
| Results for this analyte were reported fror approximate. | n a diluted sample extract. Tr | rue isotope dilution was not | achieved. Results are | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 28200 | ng/L | 75.0 | 500 |
| Results for this analyte were reported fror approximate. | n a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 19800 | ng/L | 102 | 500 |
| Results for this analyte were reported fror approximate. | n a diluted sample extract. Tr | rue isotope dilution was not | achieved. Results are | | |
| PFHpA (375-85-9) | WSLH PFAS in Water | 1870 | ng/L | 75.0 | 500 |
| Results for this analyte were reported from a diluted sample extract. True isotope dilution was not achieved. Results are approximate. | | | | | |
| Prep Date: 07/19/22 08:40 Analys | sis Date: 07/29/22 12:1 | 5 | | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 552000 | ng/L | 1360 | 5000 |

Report ID: 10012600

0000.25.2.WSLH.0



Laboratory Report

Environmental Health Division

WSLH Sample: 630521001

PFAS in Water

Analyte Analysis Method Result Units LOD LOQ

Report ID: 10012600

Prep Date: 07/19/22 08:40 Analysis Date: 07/29/22 12:15

Results are approximate, above upper calibration range.

Results for this analyte were reported from a diluted sample extract. True isotope dilution was not achieved. Results are approximate.

0000.25.2.WSLH.0



Laboratory Report

Environmental Health Division

WSLH Sample: 630521001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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Report ID: 10012600

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630521002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE **PO BOX 340**

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 1:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code: County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:1 | 9 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.341 | ng/L | 0.341 | 0.986 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 0.695F | ng/L | 0.148 | 0.986 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.228 | ng/L | 0.228 | 0.986 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.986 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 0.503F | ng/L | 0.201 | 0.986 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.134 | ng/L | 0.134 | 0.986 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.986 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.986 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.986 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.986 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 17.4 | ng/L | 0.268 | 0.986 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.986 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.986 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630521002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:1 | 9 | | | _ |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.141 | ng/L | 0.141 | 0.986 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.986 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.986 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 0.986 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.161 | ng/L | 0.161 | 0.986 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.986 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.986 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.209 | ng/L | 0.209 | 0.986 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.153 | ng/L | 0.153 | 0.986 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.219 | ng/L | 0.219 | 0.986 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.253 | ng/L | 0.253 | 0.986 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.986 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.986 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.243 | ng/L | 0.243 | 0.986 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.986 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.986 | ng/L | 0.986 | 1.97 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.277 | ng/L | 0.277 | 0.986 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.684 | ng/L | 0.684 | 1.97 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.209 | ng/L | 0.209 | 0.986 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.173 | ng/L | 0.173 | 0.986 |
| | | | | | |

Report ID: 10012600

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630521002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:41:55 AM Page 7 of 7

Laboratory Report

Environmental Health Division

WSLH Sample: 630522001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-4

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 9:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 11:2 | 7 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 101 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 250 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 580 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 118 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 50.5 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 522 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 1.23F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630522001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 11:2 | 7 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| | | | | | |

Report ID: 10012580

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630522001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:41:53 AM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630522002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 9:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:3 | 5 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.341 | ng/L | 0.341 | 0.986 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.986 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.228 | ng/L | 0.228 | 0.986 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.986 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.201 | ng/L | 0.201 | 0.986 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.134 | ng/L | 0.134 | 0.986 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.986 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.986 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.986 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.986 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 0.771F | ng/L | 0.268 | 0.986 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.986 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.986 |
| | | | | | |

Report ID: 10012580 0000.25.2.WSLH.0

Laboratory Report

Environmental Health Division

WSLH Sample: 630522002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:3 | 5 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.141 | ng/L | 0.141 | 0.986 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.986 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.986 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 0.986 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.161 | ng/L | 0.161 | 0.986 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.986 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.986 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.209 | ng/L | 0.209 | 0.986 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.153 | ng/L | 0.153 | 0.986 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.219 | ng/L | 0.219 | 0.986 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.253 | ng/L | 0.253 | 0.986 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.986 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.986 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.243 | ng/L | 0.243 | 0.986 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.986 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.986 | ng/L | 0.986 | 1.97 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.277 | ng/L | 0.277 | 0.986 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.684 | ng/L | 0.684 | 1.97 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.209 | ng/L | 0.209 | 0.986 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.172 | ng/L | 0.172 | 0.986 |
| | | | | | |

Report ID: 10012580

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630522002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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Responsible Party

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Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:41:55 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630523001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-5

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 9:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|-------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 11:58 | 3 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 403 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 14.1 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 644 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 5.98F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630523001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---|--------------------------------|------------------------------|-------------------------|------|------|
| Prep Date: 07/19/22 08:40 Analy | vsis Date: 07/26/22 11:5 | 8 | | | |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| The Laboratory Control Spike (LCS) doe | s not meet the upper QC limit | t. | | | |
| Prep Date: 07/19/22 08:40 Analy | sis Date: 07/26/22 17:2 | 3 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 2410 | ng/L | 37.5 | 250 |
| Results for this analyte were reported fro approximate. | m a diluted sample extract. T | rue isotope dilution was not | t achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 1580 | ng/L | 51.0 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. T | rue isotope dilution was not | t achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 2890 | ng/L | 68.0 | 250 |
| Results for this analyte were reported fro | m a diluted sample extract. T | rue isotope dilution was not | t achieved. Results are | | |

Results for this analyte were reported from a diluted sample extract. True isotope dilution was not achieved. Results are approximate.



Laboratory Report

Environmental Health Division

WSLH Sample: 630523001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012592

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630523002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 9:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:5 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.336 | ng/L | 0.336 | 0.971 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.971 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.224 | ng/L | 0.224 | 0.971 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.184 | ng/L | 0.184 | 0.971 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.198 | ng/L | 0.198 | 0.971 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.132 | ng/L | 0.132 | 0.971 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.971 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.971 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.971 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.124 | ng/L | 0.124 | 0.971 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.264 | ng/L | 0.264 | 0.971 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.971 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.184 | ng/L | 0.184 | 0.971 |
| | | | | | |

Report ID: 10012592 0000.25.2.WSLH.0

Laboratory Report

Environmental Health Division

WSLH Sample: 630523002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 15:5 | 0 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.971 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.971 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.971 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.254 | ng/L | 0.254 | 0.971 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.158 | ng/L | 0.158 | 0.971 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.971 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 0.971 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.971 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 0.971 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.971 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.250 | ng/L | 0.250 | 0.971 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.971 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.263 | ng/L | 0.263 | 0.971 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.240 | ng/L | 0.240 | 0.971 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.971 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.971 | ng/L | 0.971 | 1.94 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.273 | ng/L | 0.273 | 0.971 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.674 | ng/L | 0.674 | 1.94 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.971 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.170 | ng/L | 0.170 | 0.971 |
| | | | | | |

Report ID: 10012592

The Laboratory Control Spike (LCS) does not meet the upper QC limit.



Laboratory Report

Environmental Health Division

WSLH Sample: 630523002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:02 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630524001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-6

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 9:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/19/22 08:40 | Analysis Date: 07/26/22 12:2 | 9 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 729 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 20.4 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 1060 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 6.06F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630524001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---|---------------------------------|------------------------------|-----------------------|------|------|
| Prep Date: 07/19/22 08:40 Analy | ysis Date: 07/26/22 12:2 | 9 | | | |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| The Laboratory Control Spike (LCS) doe | s not meet the upper QC limit | | | | |
| Prep Date: 07/19/22 08:40 Analy | sis Date: 07/26/22 17:3 | 9 | | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 3180 | ng/L | 51.0 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. To | rue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 1720 | ng/L | 68.0 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. To | rue isotope dilution was not | achieved. Results are | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 4710 | ng/L | 37.5 | 250 |
| Results for this analyte were reported fro | om a diluted sample extract. To | rue isotope dilution was not | achieved Results are | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630524001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012617

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630524002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 9:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 17:5 | 4 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.340 | ng/L | 0.340 | 0.983 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.983 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.227 | ng/L | 0.227 | 0.983 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.983 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.201 | ng/L | 0.201 | 0.983 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.134 | ng/L | 0.134 | 0.983 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.983 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.983 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.983 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.983 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.983 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.983 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.983 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630524002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------------|---------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 17:54 | 4 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.141 | ng/L | 0.141 | 0.983 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.983 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.983 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 0.983 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.160 | ng/L | 0.160 | 0.983 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.983 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.215 | ng/L | 0.215 | 0.983 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.983 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.983 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.218 | ng/L | 0.218 | 0.983 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.253 | ng/L | 0.253 | 0.983 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.983 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.983 |
| The Laboratory Control Spike (LC | CS) does not meet the upper QC limit. | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.243 | ng/L | 0.243 | 0.983 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.983 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.983 | ng/L | 0.983 | 1.97 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.276 | ng/L | 0.276 | 0.983 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.683 | ng/L | 0.683 | 1.97 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.983 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.172 | ng/L | 0.172 | 0.983 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630524002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012617

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630525001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE **PO BOX 340**

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-7

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 11:00:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#: Sample Location:

Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 13:1 | 4 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 183 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 1010 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 9.44F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 641 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 157 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 800 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 5.38F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630525001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|-----------------------------------|------------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 13:1 | 4 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | 6.07F | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | 2.44F | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| The Laboratory Control Spike (LCS |) does not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630525001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
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if LOD=LOQ, Limits were not statistically derived

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Report ID: 10012620

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630525002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 11:00:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/12/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|---------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 18:0 | 9 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | < 0.337 | ng/L | 0.337 | 0.974 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.974 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.225 | ng/L | 0.225 | 0.974 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.974 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.199 | ng/L | 0.199 | 0.974 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.974 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.974 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.974 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.974 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.974 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.265 | ng/L | 0.265 | 0.974 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.974 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.974 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630525002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|-----------------------------------|------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 18:0 | 9 | | | _ |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.974 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.974 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.974 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.255 | ng/L | 0.255 | 0.974 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.974 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.974 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 0.974 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.974 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 0.974 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.974 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.250 | ng/L | 0.250 | 0.974 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.974 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.264 | ng/L | 0.264 | 0.974 |
| The Laboratory Control Spike (LCS |) does not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.241 | ng/L | 0.241 | 0.974 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.974 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.974 | ng/L | 0.974 | 1.95 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.274 | ng/L | 0.274 | 0.974 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.676 | ng/L | 0.676 | 1.95 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.974 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.170 | ng/L | 0.170 | 0.974 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630525002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:04 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630526001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-8

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 10:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/12/2022

Date Reported: 8/18/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 14:1 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 2120 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 6.18F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 12.0 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | 6.45F | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 14.7 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630526001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---|--------------------------------|------------------------------|-----------------------|------|------|
| Prep Date: 07/20/22 08:00 Analy | ysis Date: 08/01/22 14:1 | 6 | | | |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| The Laboratory Control Spike (LCS) doe | es not meet the upper QC limit | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| Prep Date: 07/20/22 08:00 Analy | ysis Date: 08/02/22 07:5 | 1 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 12300 | ng/L | 37.5 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. T | rue isotope dilution was not | achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 5350 | ng/L | 51.0 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. T | rue isotope dilution was not | achieved. Results are | | |
| PFHpA (375-85-9) | WSLH PFAS in Water | 1820 | ng/L | 37.5 | 250 |
| Results for this analyte were reported fro approximate. | om a diluted sample extract. T | rue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 17800 | ng/L | 68.0 | 250 |
| Results for this analyte were reported fro | om a diluted sample extract. T | rue isotope dilution was not | achieved. Results are | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630526001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012634

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630526002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Invoice To:

Sample Type: MW-MONITORING WELL

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE **PO BOX 340**

336628

PORTAGE, WI 53901 Customer ID:

Field #: FRB2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 10:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/12/2022 Date Reported: 8/18/2022 Sample Reason:

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

Sample Location:

Sample Description:

County:

ID#:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 18:2 | 5 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.340 | ng/L | 0.340 | 0.983 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.983 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.227 | ng/L | 0.227 | 0.983 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.983 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.201 | ng/L | 0.201 | 0.983 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.134 | ng/L | 0.134 | 0.983 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.983 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.983 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.983 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.983 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.983 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.983 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.983 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630526002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|-----------------------------------|------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | nalysis Date: 08/01/22 18:2 | 25 | | | _ |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.141 | ng/L | 0.141 | 0.983 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.983 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.983 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 0.983 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.160 | ng/L | 0.160 | 0.983 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.983 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.215 | ng/L | 0.215 | 0.983 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.983 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.983 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.218 | ng/L | 0.218 | 0.983 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.253 | ng/L | 0.253 | 0.983 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.983 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.983 |
| The Laboratory Control Spike (LCS |) does not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.243 | ng/L | 0.243 | 0.983 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.983 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.983 | ng/L | 0.983 | 1.97 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.276 | ng/L | 0.276 | 0.983 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.682 | ng/L | 0.682 | 1.97 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.983 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.172 | ng/L | 0.172 | 0.983 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630526002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:14 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630531001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-9

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 11:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 14:4 | 7 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 1670 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 19.3 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 227 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 1200 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | 2.42F | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 10.8 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | 1.98F | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630531001

PFAS in Water

| Analysis Method | Result | Units | LOD | LOQ |
|--------------------------------|---|--|--|--|
| sis Date: 08/01/22 14:47 | 7 | | | |
| WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| not meet the upper QC limit. | | | | |
| WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| sis Date: 08/02/22 08:06 | 6 | | | |
| WSLH PFAS in Water | 7010 | ng/L | 37.5 | 250 |
| n a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| WSLH PFAS in Water | 8560 | ng/L | 51.0 | 250 |
| n a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| WSLH PFAS in Water | 14200 | ng/L | 68.0 | 250 |
| | sis Date: 08/01/22 14:4: WSLH PFAS in Water The Additional Control of the Control | wslh PFAs in Water <2.62 Wslh PFAs in Water <1.63 Wslh PFAs in Water <1.82 Wslh PFAs in Water <2.19 Wslh PFAs in Water <2.12 Wslh PFAs in Water <1.55 Wslh PFAs in Water <1.55 Wslh PFAs in Water <2.22 Wslh PFAs in Water <2.57 Wslh PFAs in Water <1.49 Wslh PFAs in Water <1.49 Wslh PFAs in Water <2.71 not meet the upper QC limit. Wslh PFAs in Water <1.93 Wslh PFAs in Water <1.93 Wslh PFAs in Water <1.00 Wslh PFAs in Water <2.81 Wslh PFAs in Water <2.81 Wslh PFAs in Water <2.12 Wslh PFAs in Water <1.75 sis Date: 08/02/22 08:06 Wslh PFAs in Water 7010 In a diluted sample extract. True isotope dilution was not wslh PFAs in Water 8560 In a diluted sample extract. True isotope dilution was not | ## Sis Date: 08/01/22 14:47 ## WSLH PFAS in Water | Sis Date: 08/01/22 14:47 WSLH PFAS in Water |

Results for this analyte were reported from a diluted sample extract. True isotope dilution was not achieved. Results are approximate.



Laboratory Report

Environmental Health Division

WSLH Sample: 630531001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012637

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630531002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 11:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 18:4 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.334 | ng/L | 0.334 | 0.965 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 0.568F | ng/L | 0.145 | 0.965 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.223 | ng/L | 0.223 | 0.965 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 0.965 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 0.424F | ng/L | 0.197 | 0.965 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.131 | ng/L | 0.131 | 0.965 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.965 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.965 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.137 | ng/L | 0.137 | 0.965 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.124 | ng/L | 0.124 | 0.965 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 6.51 | ng/L | 0.262 | 0.965 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.104 | ng/L | 0.104 | 0.965 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 0.965 |
| | | | | | |

ge 4 of 6 Report ID: 10012637

Laboratory Report

Environmental Health Division

WSLH Sample: 630531002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|-----------------------------------|------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | analysis Date: 08/01/22 18:4 | .0 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.965 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.143 | ng/L | 0.143 | 0.965 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.176 | ng/L | 0.176 | 0.965 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.253 | ng/L | 0.253 | 0.965 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.157 | ng/L | 0.157 | 0.965 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.176 | ng/L | 0.176 | 0.965 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.211 | ng/L | 0.211 | 0.965 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.205 | ng/L | 0.205 | 0.965 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 0.965 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.965 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.248 | ng/L | 0.248 | 0.965 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.965 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.261 | ng/L | 0.261 | 0.965 |
| The Laboratory Control Spike (LCS |) does not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.238 | ng/L | 0.238 | 0.965 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.965 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.965 | ng/L | 0.965 | 1.93 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.271 | ng/L | 0.271 | 0.965 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.670 | ng/L | 0.670 | 1.93 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.205 | ng/L | 0.205 | 0.965 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.169 | ng/L | 0.169 | 0.965 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630531002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10012637

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630532001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-10

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 11:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 15:1 | 8 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 1260 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 40.8 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 12.4 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 15.3 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |

of 6 Report ID: 10012640 0000.25.2.WSLH

Laboratory Report

Environmental Health Division

WSLH Sample: 630532001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|--|--------------------------------|-----------------------------|-----------------------|------|------|
| Prep Date: 07/20/22 08:00 Analy | sis Date: 08/01/22 15:18 | 3 | | | |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| The Laboratory Control Spike (LCS) does | s not meet the upper QC limit. | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| Prep Date: 07/20/22 08:00 Analy | sis Date: 08/02/22 08:22 | 2 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 9110 | ng/L | 37.5 | 250 |
| Results for this analyte were reported from approximate. | m a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 6470 | ng/L | 51.0 | 250 |
| Results for this analyte were reported from approximate. | m a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| PFHpA (375-85-9) | WSLH PFAS in Water | 1360 | ng/L | 37.5 | 250 |
| Results for this analyte were reported from approximate. | m a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 8280 | ng/L | 68.0 | 250 |
| Results for this analyte were reported from approximate. | m a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |

Report ID: 10012640 0000.25.2.WSLH.0



Laboratory Report

Environmental Health Division

WSLH Sample: 630532001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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Report ID: 10012640

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630532002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 11:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022 Sample Reason: ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 18:5 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.338 | ng/L | 0.338 | 0.978 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 0.512F | ng/L | 0.147 | 0.978 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.226 | ng/L | 0.226 | 0.978 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 0.441F | ng/L | 0.200 | 0.978 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.978 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.978 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.978 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.978 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.978 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 0.914F | ng/L | 0.266 | 0.978 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.978 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| | | | | | |

Report ID: 10012640 0000.25.2.WSLH.

Laboratory Report

Environmental Health Division

WSLH Sample: 630532002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|--|--------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 Analy | ysis Date: 08/01/22 18:5 | 6 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.978 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.978 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.978 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.978 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.978 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.978 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.978 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.978 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.978 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.217 | ng/L | 0.217 | 0.978 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.251 | ng/L | 0.251 | 0.978 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.978 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.265 | ng/L | 0.265 | 0.978 |
| The Laboratory Control Spike (LCS) doe | es not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.242 | ng/L | 0.242 | 0.978 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.978 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.978 | ng/L | 0.978 | 1.96 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.275 | ng/L | 0.275 | 0.978 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.679 | ng/L | 0.679 | 1.96 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.978 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.171 | ng/L | 0.171 | 0.978 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630532002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
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if LOD=LOQ, Limits were not statistically derived

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Report ID: 10012640

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630534001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-11

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 12:06:00 PM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 15:4 | 9 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 900 | ng/L | 3.46 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 19.3 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | 12.0 | ng/L | 1.90 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 837 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 15.3 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | 1.86F | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | 2.01F | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |

Report ID: 10012643 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630534001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|--|--------------------------------|-----------------------------|-----------------------|------|------|
| Prep Date: 07/20/22 08:00 Analys | sis Date: 08/01/22 15:49 | 9 | | | |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | 3.15F | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| The Laboratory Control Spike (LCS) does | not meet the upper QC limit. | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| Prep Date: 07/20/22 08:00 Analys | sis Date: 08/02/22 08:38 | 3 | | | |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 5210 | ng/L | 37.5 | 250 |
| Results for this analyte were reported from approximate. | n a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| PFHxA (307-24-4) | WSLH PFAS in Water | 3430 | ng/L | 51.0 | 250 |
| Results for this analyte were reported from approximate. | n a diluted sample extract. Tr | ue isotope dilution was not | achieved. Results are | | |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 18500 | ng/L | 68.0 | 250 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630534001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:19 AM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630534002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOY 340

PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 12:06:00 PM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 19:1 | 1 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.339 | ng/L | 0.339 | 0.978 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.978 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.226 | ng/L | 0.226 | 0.978 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.200 | ng/L | 0.200 | 0.978 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.978 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.978 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.978 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.978 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.978 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.978 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.978 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630534002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------------|---------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 19:11 | 1 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.978 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.978 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.978 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.978 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.978 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.978 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.978 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.978 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.978 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.217 | ng/L | 0.217 | 0.978 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.251 | ng/L | 0.251 | 0.978 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.978 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.265 | ng/L | 0.265 | 0.978 |
| The Laboratory Control Spike (LC | CS) does not meet the upper QC limit. | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.242 | ng/L | 0.242 | 0.978 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.978 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.978 | ng/L | 0.978 | 1.96 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.275 | ng/L | 0.275 | 0.978 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.679 | ng/L | 0.679 | 1.96 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.978 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.171 | ng/L | 0.171 | 0.978 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630534002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:21 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630537001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-12

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 6:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022 Date Reported: 8/18/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 16:2 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 77.6 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 13.4 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 4.58F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 12.3 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 4.84F | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <2.72 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 6.22F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630537001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------------------|---------------------------------|--------|-------|------|------|
| Prep Date: 07/20/22 08:00 Ana | alysis Date: 08/01/22 16:2 | 20 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| The Laboratory Control Spike (LCS) do | pes not meet the upper QC limit | t. | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630537001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

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Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:18 AM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630537002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 6:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/18/2022 Sample Reason: ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 19:2 | 7 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.339 | ng/L | 0.339 | 0.981 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.981 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.227 | ng/L | 0.227 | 0.981 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.981 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.200 | ng/L | 0.200 | 0.981 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.981 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.981 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.981 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.981 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.126 | ng/L | 0.126 | 0.981 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.267 | ng/L | 0.267 | 0.981 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.981 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.981 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630537002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------------|--------------------------------------|--------|-------|-------|-------|
| Prep Date: 07/20/22 08:00 | Analysis Date: 08/01/22 19:2 | 7 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.981 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.981 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.981 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.257 | ng/L | 0.257 | 0.981 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.160 | ng/L | 0.160 | 0.981 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.179 | ng/L | 0.179 | 0.981 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.215 | ng/L | 0.215 | 0.981 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.981 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.152 | ng/L | 0.152 | 0.981 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.218 | ng/L | 0.218 | 0.981 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.252 | ng/L | 0.252 | 0.981 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.981 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.981 |
| The Laboratory Control Spike (LC | CS) does not meet the upper QC limit | | | | |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.242 | ng/L | 0.242 | 0.981 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.981 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.981 | ng/L | 0.981 | 1.96 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.276 | ng/L | 0.276 | 0.981 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.681 | ng/L | 0.681 | 1.96 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.208 | ng/L | 0.208 | 0.981 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.172 | ng/L | 0.172 | 0.981 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630537002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Thursday, August 18, 2022 7:42:21 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630538001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-13

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 6:25:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 11:0 | 9 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 53.4 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 8.07F | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 3.73F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 6.42F | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <2.72 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 2.05F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Page 1 of 6 Report ID: 10036020

Laboratory Report

Environmental Health Division

WSLH Sample: 630538001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|-------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 11:09 | 9 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630538001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10036020

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630538002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 6:25:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:1 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.336 | ng/L | 0.336 | 0.970 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.970 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.224 | ng/L | 0.224 | 0.970 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.184 | ng/L | 0.184 | 0.970 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.198 | ng/L | 0.198 | 0.970 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.132 | ng/L | 0.132 | 0.970 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.970 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.970 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.970 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.124 | ng/L | 0.124 | 0.970 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.264 | ng/L | 0.264 | 0.970 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.970 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.184 | ng/L | 0.184 | 0.970 |
| | | | | | |

Page 4 of 6 Report ID: 10036020

Laboratory Report

Environmental Health Division

WSLH Sample: 630538002

PFAS in Water

| Analysis Method | Result | Units | LOD | LOQ |
|------------------------------|--|---|---|---|
| Analysis Date: 08/02/22 02:1 | 0 | | | |
| WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.970 |
| WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.970 |
| WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.970 |
| WSLH PFAS in Water | <0.254 | ng/L | 0.254 | 0.970 |
| WSLH PFAS in Water | <0.158 | ng/L | 0.158 | 0.970 |
| WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.970 |
| WSLH PFAS in Water | <0.212 | ng/L | 0.212 | 0.970 |
| WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.970 |
| WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 0.970 |
| WSLH PFAS in Water | <0.215 | ng/L | 0.215 | 0.970 |
| WSLH PFAS in Water | <0.249 | ng/L | 0.249 | 0.970 |
| WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.970 |
| WSLH PFAS in Water | <0.263 | ng/L | 0.263 | 0.970 |
| WSLH PFAS in Water | <0.240 | ng/L | 0.240 | 0.970 |
| WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.970 |
| WSLH PFAS in Water | <0.970 | ng/L | 0.970 | 1.94 |
| WSLH PFAS in Water | <0.273 | ng/L | 0.273 | 0.970 |
| WSLH PFAS in Water | <0.673 | ng/L | 0.673 | 1.94 |
| WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.970 |
| WSLH PFAS in Water | <0.170 | ng/L | 0.170 | 0.970 |
| | Analysis Date: 08/02/22 02:1 WSLH PFAS in Water WSLH PFAS in Water | Analysis Date: 08/02/22 02:10 WSLH PFAS in Water | Analysis Date: 08/02/22 02:10 WSLH PFAS in Water | Analysis Date: 08/02/22 02:10 WSLH PFAS in Water |



Laboratory Report

Environmental Health Division

WSLH Sample: 630538002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

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Report ID: 10036020

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630541001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: MW-14

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 8:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/24/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 11:4 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 16.2 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 27.2 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | <2.31 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 18.4 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 4.57F | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | 4.56F | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 7.54F | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 5.77F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Page 1 of 6 Report ID: 10036023

Laboratory Report

Environmental Health Division

WSLH Sample: 630541001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|-------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 11:40 | 0 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | 3.17F | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630541001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
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Z next to result = Result is between 0 (zero) and LOD
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Report ID: 10036023

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630541002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 8:45:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:2 | 5 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.345 | ng/L | 0.345 | 0.996 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.149 | ng/L | 0.149 | 0.996 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.230 | ng/L | 0.230 | 0.996 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.996 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.203 | ng/L | 0.203 | 0.996 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.135 | ng/L | 0.135 | 0.996 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.191 | ng/L | 0.191 | 0.996 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.149 | ng/L | 0.149 | 0.996 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.141 | ng/L | 0.141 | 0.996 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.128 | ng/L | 0.128 | 0.996 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.271 | ng/L | 0.271 | 0.996 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.108 | ng/L | 0.108 | 0.996 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.996 |
| | | | | | |

Page 4 of 6 Report ID: 10036023

Laboratory Report

Environmental Health Division

WSLH Sample: 630541002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:2 | 5 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.142 | ng/L | 0.142 | 0.996 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.996 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.181 | ng/L | 0.181 | 0.996 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.261 | ng/L | 0.261 | 0.996 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.162 | ng/L | 0.162 | 0.996 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.181 | ng/L | 0.181 | 0.996 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.218 | ng/L | 0.218 | 0.996 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.211 | ng/L | 0.211 | 0.996 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.154 | ng/L | 0.154 | 0.996 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.221 | ng/L | 0.221 | 0.996 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.996 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.996 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.270 | ng/L | 0.270 | 0.996 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.246 | ng/L | 0.246 | 0.996 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.192 | ng/L | 0.192 | 0.996 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.996 | ng/L | 0.996 | 1.99 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.280 | ng/L | 0.280 | 0.996 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.691 | ng/L | 0.691 | 1.99 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.211 | ng/L | 0.211 | 0.996 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.174 | ng/L | 0.174 | 0.996 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630541002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Wednesday, August 24, 2022 12:58:50 PM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630543001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-15

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 7:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/24/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 12:1 | 1 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 51.5 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 164 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 2.46F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 99.7 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 19.9 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 70.6 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 2.30F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Report ID: 10036026 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630543001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 12:1 | 1 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630543001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Wednesday, August 24, 2022 12:58:48 PM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630543002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 7:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:4 | 1 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.345 | ng/L | 0.345 | 0.998 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 0.998 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.231 | ng/L | 0.231 | 0.998 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.998 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.204 | ng/L | 0.204 | 0.998 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.136 | ng/L | 0.136 | 0.998 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.192 | ng/L | 0.192 | 0.998 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 0.998 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.142 | ng/L | 0.142 | 0.998 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.128 | ng/L | 0.128 | 0.998 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.271 | ng/L | 0.271 | 0.998 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.108 | ng/L | 0.108 | 0.998 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.190 | ng/L | 0.190 | 0.998 |
| | | | | | |

Page 4 of 6 Report ID: 10036026

Laboratory Report

Environmental Health Division

WSLH Sample: 630543002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:4 | 1 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.143 | ng/L | 0.143 | 0.998 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.148 | ng/L | 0.148 | 0.998 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.182 | ng/L | 0.182 | 0.998 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.261 | ng/L | 0.261 | 0.998 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.163 | ng/L | 0.163 | 0.998 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.182 | ng/L | 0.182 | 0.998 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.219 | ng/L | 0.219 | 0.998 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.212 | ng/L | 0.212 | 0.998 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.155 | ng/L | 0.155 | 0.998 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.222 | ng/L | 0.222 | 0.998 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.998 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.149 | ng/L | 0.149 | 0.998 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.270 | ng/L | 0.270 | 0.998 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.246 | ng/L | 0.246 | 0.998 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.193 | ng/L | 0.193 | 0.998 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.998 | ng/L | 0.998 | 2.00 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.280 | ng/L | 0.280 | 0.998 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.693 | ng/L | 0.693 | 2.00 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.212 | ng/L | 0.212 | 0.998 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.175 | ng/L | 0.175 | 0.998 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630543002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

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Report ID: 10036026

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630546001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: MW-16

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 8:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/24/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 12:4 | 2 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 121 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 473 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 5.14F | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 294 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 75.9 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 283 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 3.99F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Report ID: 10036029 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630546001

PFAS in Water

| Analysis Method | Result | Units | LOD | LOQ |
|------------------------------|--|---|---|---|
| Analysis Date: 08/02/22 12:4 | 2 | | | |
| WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| | Analysis Date: 08/02/22 12:4 WSLH PFAS in Water WSLH PFAS in Water | Analysis Date: 08/02/22 12:42 WSLH PFAS in Water <1.43 WSLH PFAS in Water <1.48 WSLH PFAS in Water <1.82 WSLH PFAS in Water <2.62 WSLH PFAS in Water <1.63 WSLH PFAS in Water <1.82 WSLH PFAS in Water <2.19 WSLH PFAS in Water <2.19 WSLH PFAS in Water <2.12 WSLH PFAS in Water <1.55 WSLH PFAS in Water <2.22 WSLH PFAS in Water <2.22 WSLH PFAS in Water <2.57 WSLH PFAS in Water <1.49 WSLH PFAS in Water <2.71 WSLH PFAS in Water <2.47 WSLH PFAS in Water <1.93 WSLH PFAS in Water <1.00 WSLH PFAS in Water <2.81 WSLH PFAS in Water <6.94 WSLH PFAS in Water <6.94 WSLH PFAS in Water <2.12 | Analysis Date: 08/02/22 12:42 WSLH PFAS in Water | Analysis Date: 08/02/22 12:42 WSLH PFAS in Water |



Laboratory Report

Environmental Health Division

WSLH Sample: 630546001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Report ID: 10036029

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630546002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 8:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:5 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.348 | ng/L | 0.348 | 1.00 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 1.00 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.232 | ng/L | 0.232 | 1.00 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.191 | ng/L | 0.191 | 1.00 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.205 | ng/L | 0.205 | 1.00 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.137 | ng/L | 0.137 | 1.00 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.193 | ng/L | 0.193 | 1.00 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 1.00 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.143 | ng/L | 0.143 | 1.00 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.129 | ng/L | 0.129 | 1.00 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.273 | ng/L | 0.273 | 1.00 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.109 | ng/L | 0.109 | 1.00 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.191 | ng/L | 0.191 | 1.00 |
| | | | | | |

Page 4 of 6 Report ID: 10036029

Laboratory Report

Environmental Health Division

WSLH Sample: 630546002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 02:5 | 6 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 1.00 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.149 | ng/L | 0.149 | 1.00 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 1.00 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.263 | ng/L | 0.263 | 1.00 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.164 | ng/L | 0.164 | 1.00 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 1.00 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.220 | ng/L | 0.220 | 1.00 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 1.00 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.156 | ng/L | 0.156 | 1.00 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.223 | ng/L | 0.223 | 1.00 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 1.00 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 1.00 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.272 | ng/L | 0.272 | 1.00 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.248 | ng/L | 0.248 | 1.00 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.194 | ng/L | 0.194 | 1.00 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <1.00 | ng/L | 1.00 | 2.01 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.282 | ng/L | 0.282 | 1.00 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.697 | ng/L | 0.697 | 2.01 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 1.00 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.176 | ng/L | 0.176 | 1.00 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630546002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Wednesday, August 24, 2022 12:58:59 PM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630551001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Customer ID: 336628

Field #: MW-17

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 7:55:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/12/2022

Date Reported: 8/24/2022 Sample Reason: ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 13:1 | 3 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 4.79F | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | <2.31 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <2.04 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <2.72 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | <1.08 | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Page 1 of 6 Report ID: 10036015

Laboratory Report

Environmental Health Division

WSLH Sample: 630551001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 13:1 | 3 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630551001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

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Report ID: 10036015

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630551002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 7:55:00 AM

Collection Start: Collected By:

Date Received: 7/12/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 03:4 | 3 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.338 | ng/L | 0.338 | 0.977 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.977 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.226 | ng/L | 0.226 | 0.977 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.977 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.199 | ng/L | 0.199 | 0.977 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.977 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.977 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.977 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.977 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.977 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.977 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.977 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.977 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630551002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 03:4 | -3 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.977 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.977 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.977 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.977 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.977 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.977 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.977 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.977 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 0.977 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.217 | ng/L | 0.217 | 0.977 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.251 | ng/L | 0.251 | 0.977 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.977 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.265 | ng/L | 0.265 | 0.977 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.241 | ng/L | 0.241 | 0.977 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.189 | ng/L | 0.189 | 0.977 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.977 | ng/L | 0.977 | 1.95 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.275 | ng/L | 0.275 | 0.977 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.678 | ng/L | 0.678 | 1.95 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.977 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.171 | ng/L | 0.171 | 0.977 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630551002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Report ID: 10036015

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630552001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: P2-1

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 1:00:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/12/2022

Date Reported: 8/30/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|------------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/04/22 11:15 | Analysis Date: 08/05/22 10:3 | 37 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <3.46 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | <2.31 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <2.04 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 5.24F | ng/L | 2.72 | 10.0 |
| Compound detected in field r | reagent blank (FRB). | | | | |
| PFOA (335-67-1) | WSLH PFAS in Water | <1.08 | ng/L | 1.08 | 10.0 |
| | | | | | |

Report ID: 10053909 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630552001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/04/22 11:15 | Analysis Date: 08/05/22 10:3 | 7 | | | |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <3.98 | ng/L | 3.98 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630552001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Tuesday, August 30, 2022 8:48:23 AM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630552002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 1:00:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/12/2022 Date Reported: 8/30/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 07/29/22 08:45 | Analysis Date: 08/02/22 03:5 | 8 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.338 | ng/L | 0.338 | 0.978 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.978 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.226 | ng/L | 0.226 | 0.978 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.200 | ng/L | 0.200 | 0.978 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.978 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.978 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.147 | ng/L | 0.147 | 0.978 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.978 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.978 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 0.967F | ng/L | 0.266 | 0.978 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.106 | ng/L | 0.106 | 0.978 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.186 | ng/L | 0.186 | 0.978 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630552002

PFAS in Water

| PFNA (375-95-1) WSLH PFAS in Water <0.145 | 0.978 0.978 0.978 0.978 |
|---|----------------------------------|
| PFNA (375-95-1) WSLH PFAS in Water <0.145 ng/L 0.145 9CI-PF3ONS (756426-58-1) WSLH PFAS in Water <0.178 | 0.978 0.978 |
| 9CI-PF3ONS (756426-58-1) WSLH PFAS in Water <0.178 ng/L 0.178 8:2 FTSA (39108-34-4) WSLH PFAS in Water <0.256 ng/L 0.256 | 0.978 |
| 8:2 FTSA (39108-34-4) WSLH PFAS in Water <0.256 ng/L 0.256 | |
| , | 0.978 |
| DEDA (905 70.9) | |
| PFDA (335-76-2) WSLH PFAS in Water <0.159 ng/L 0.159 | 0.978 |
| PFNS (68259-12-1) WSLH PFAS in Water <0.178 ng/L 0.178 | 0.978 |
| N-MeFOSAA (2355-31-9) WSLH PFAS in Water <0.214 ng/L 0.214 | 0.978 |
| N-EtFOSAA (2991-50-6) WSLH PFAS in Water <0.207 ng/L 0.207 | 0.978 |
| FOSA (754-91-6) WSLH PFAS in Water <0.152 ng/L 0.152 | 0.978 |
| PFUnA (2058-94-8) WSLH PFAS in Water <0.217 ng/L 0.217 | 0.978 |
| PFDS (335-77-3) WSLH PFAS in Water <0.251 ng/L 0.251 | 0.978 |
| 11CI-PF3OUdS (763051-92-9) WSLH PFAS in Water <0.146 ng/L 0.146 | 0.978 |
| PFDoA (307-55-1) WSLH PFAS in Water <0.265 ng/L 0.265 | 0.978 |
| PFDoS (79780-39-5) WSLH PFAS in Water <0.242 ng/L 0.242 | 0.978 |
| PFTrDA (72629-94-8) WSLH PFAS in Water <0.189 ng/L 0.189 | 0.978 |
| N-MeFOSA (31506-32-8) WSLH PFAS in Water <0.978 ng/L 0.978 | 1.96 |
| N-MeFOSE (24448-09-7) WSLH PFAS in Water <0.275 ng/L 0.275 | 0.978 |
| N-EtFOSA (4151-50-2) WSLH PFAS in Water <0.679 ng/L 0.679 | 1.96 |
| N-EtFOSE (1691-99-2) WSLH PFAS in Water <0.207 ng/L 0.207 | 0.978 |
| PFTeDA (376-06-7) WSLH PFAS in Water <0.171 ng/L 0.171 | 0.978 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630552002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Tuesday, August 30, 2022 8:48:27 AM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630557001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: P2-2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 7:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/24/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code:

Region Code: County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/04/22 11:15 | Analysis Date: 08/05/22 11:0 | 8 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <3.46 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | <2.31 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <2.04 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <1.50 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <2.72 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 1.68F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Report ID: 10036032 Page 1 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630557001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/04/22 11:15 | Analysis Date: 08/05/22 11:0 | 8 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <3.98 | ng/L | 3.98 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |
| | | | | | |



Laboratory Report

Environmental Health Division

WSLH Sample: 630557001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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Wednesday, August 24, 2022 12:59:05 PM Page 3 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630557002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE **PO BOX 340**

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 7:30:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code: County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 16:5 | 0 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.347 | ng/L | 0.347 | 1.00 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 1.00 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.232 | ng/L | 0.232 | 1.00 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.191 | ng/L | 0.191 | 1.00 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.205 | ng/L | 0.205 | 1.00 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.137 | ng/L | 0.137 | 1.00 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.193 | ng/L | 0.193 | 1.00 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 1.00 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.143 | ng/L | 0.143 | 1.00 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.128 | ng/L | 0.128 | 1.00 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.273 | ng/L | 0.273 | 1.00 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.108 | ng/L | 0.108 | 1.00 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.191 | ng/L | 0.191 | 1.00 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630557002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 16:5 | 0 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 1.00 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.149 | ng/L | 0.149 | 1.00 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 1.00 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.263 | ng/L | 0.263 | 1.00 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.164 | ng/L | 0.164 | 1.00 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.183 | ng/L | 0.183 | 1.00 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.220 | ng/L | 0.220 | 1.00 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 1.00 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.156 | ng/L | 0.156 | 1.00 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.223 | ng/L | 0.223 | 1.00 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.258 | ng/L | 0.258 | 1.00 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.150 | ng/L | 0.150 | 1.00 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.272 | ng/L | 0.272 | 1.00 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.248 | ng/L | 0.248 | 1.00 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.194 | ng/L | 0.194 | 1.00 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <1.00 | ng/L | 1.00 | 2.01 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.282 | ng/L | 0.282 | 1.00 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.697 | ng/L | 0.697 | 2.01 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 1.00 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.176 | ng/L | 0.176 | 1.00 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630557002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

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Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Wednesday, August 24, 2022 12:59:07 PM Page 6 of 6

Laboratory Report

Environmental Health Division

WSLH Sample: 630566001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: POND

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 2:00:00 AM

Collection Start:

Sample Reason:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/14/2022 Date Reported: 8/24/2022

ID#:

Sample Location: Sample Description:

Sample Type: SU-SURFACE WATER

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:

County:

Sample Comments

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 15:1 | 7 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 112 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 486 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | 11.3 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 338 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 117 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 248 | ng/L | 2.72 | 10.0 |
| PFOA (335-67-1) | WSLH PFAS in Water | 3.79F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| | | | | | |

Page 1 of 6 Report ID: 10036040

Laboratory Report

Environmental Health Division

WSLH Sample: 630566001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 15:1 | 7 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | 1.63F | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | 1.86F | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630566001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

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The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Report ID: 10036040

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630566002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901 Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340 PORTAGE, WI 53901

Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 2:00:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/14/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: SU-SURFACE WATER

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 17:2 | 1 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.336 | ng/L | 0.336 | 0.972 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.972 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.224 | ng/L | 0.224 | 0.972 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.972 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.198 | ng/L | 0.198 | 0.972 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.132 | ng/L | 0.132 | 0.972 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.972 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.972 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.138 | ng/L | 0.138 | 0.972 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.124 | ng/L | 0.124 | 0.972 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.264 | ng/L | 0.264 | 0.972 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.972 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.972 |
| | | | | | |

Page 4 of 6 Report ID: 10036040

Laboratory Report

Environmental Health Division

WSLH Sample: 630566002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 17:2 | 1 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.972 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.972 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.972 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.255 | ng/L | 0.255 | 0.972 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.158 | ng/L | 0.158 | 0.972 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.177 | ng/L | 0.177 | 0.972 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.213 | ng/L | 0.213 | 0.972 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.972 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 0.972 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.216 | ng/L | 0.216 | 0.972 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.250 | ng/L | 0.250 | 0.972 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.972 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.263 | ng/L | 0.263 | 0.972 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.240 | ng/L | 0.240 | 0.972 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.972 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.972 | ng/L | 0.972 | 1.94 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.273 | ng/L | 0.273 | 0.972 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.674 | ng/L | 0.674 | 1.94 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.206 | ng/L | 0.206 | 0.972 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.170 | ng/L | 0.170 | 0.972 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630566002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

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LOQ = Level of quantification (for PFAS the LOQ = MRL)
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Report ID: 10036040

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630563001

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE

PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: SUMP

Project No: **BRIAN YOUNGWIRTH** Collection End: 7/12/2022 2:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH Date Received: 7/13/2022

Date Reported: 8/24/2022 Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody: Point or Outfall: Sample Depth: Program Code: Region Code:

County:

Sample Comments

SUMP

Sample was subsampled due to high PFAS concentration/excess sample volume.

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 14:4 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | 26.4 | ng/L | 3.46 | 10.0 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | 119 | ng/L | 1.50 | 10.0 |
| PFBS (375-73-5) | WSLH PFAS in Water | <2.31 | ng/L | 2.31 | 10.0 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFHxA (307-24-4) | WSLH PFAS in Water | 79.7 | ng/L | 2.04 | 10.0 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <1.36 | ng/L | 1.36 | 10.0 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <1.92 | ng/L | 1.92 | 10.0 |
| PFHpA (375-85-9) | WSLH PFAS in Water | 21.5 | ng/L | 1.50 | 10.0 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <1.42 | ng/L | 1.42 | 10.0 |
| DONA (919005-14-4) | WSLH PFAS in Water | <1.28 | ng/L | 1.28 | 10.0 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | 232 | ng/L | 2.72 | 10.0 |
| | | | | | |

Laboratory Report

Environmental Health Division

WSLH Sample: 630563001

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|------|------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 14:4 | 6 | | | |
| PFOA (335-67-1) | WSLH PFAS in Water | 1.35F | ng/L | 1.08 | 10.0 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <1.90 | ng/L | 1.90 | 10.0 |
| PFOS (1763-23-1) | WSLH PFAS in Water | <1.43 | ng/L | 1.43 | 10.0 |
| PFNA (375-95-1) | WSLH PFAS in Water | <1.48 | ng/L | 1.48 | 10.0 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <2.62 | ng/L | 2.62 | 10.0 |
| PFDA (335-76-2) | WSLH PFAS in Water | <1.63 | ng/L | 1.63 | 10.0 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <1.82 | ng/L | 1.82 | 10.0 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <2.19 | ng/L | 2.19 | 10.0 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| FOSA (754-91-6) | WSLH PFAS in Water | <1.55 | ng/L | 1.55 | 10.0 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <2.22 | ng/L | 2.22 | 10.0 |
| PFDS (335-77-3) | WSLH PFAS in Water | <2.57 | ng/L | 2.57 | 10.0 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <1.49 | ng/L | 1.49 | 10.0 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <2.71 | ng/L | 2.71 | 10.0 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <2.47 | ng/L | 2.47 | 10.0 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <1.93 | ng/L | 1.93 | 10.0 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <10.0 | ng/L | 10.0 | 20.0 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <2.81 | ng/L | 2.81 | 10.0 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <6.94 | ng/L | 6.94 | 20.0 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <2.12 | ng/L | 2.12 | 10.0 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <1.75 | ng/L | 1.75 | 10.0 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630563001

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
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if LOD=LOQ, Limits were not statistically derived

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Report ID: 10036036

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Laboratory Report

Environmental Health Division

WSLH Sample: 630563002

Report To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901

Invoice To:

BRIAN YOUNGWIRTH GENERAL ENGINEERING 916 SILVER LAKE DRIVE PO BOX 340

PORTAGE, WI 53901 Customer ID: 336628

Field #: FRB2

Project No: BRIAN YOUNGWIRTH Collection End: 7/12/2022 2:15:00 AM

Collection Start:

Collected By: BRIAN YOUNGWIRTH

Date Received: 7/13/2022 Date Reported: 8/24/2022

Sample Reason:

ID#:

Sample Location: Sample Description:

Sample Type: MW-MONITORING WELL

Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

FIELD REAGENT BLANK (FRB)

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|---------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 17:0 | 6 | | | |
| PFBA (375-22-4) | WSLH PFAS in Water | <0.338 | ng/L | 0.338 | 0.976 |
| PFPeA (2706-90-3) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.976 |
| PFBS (375-73-5) | WSLH PFAS in Water | <0.225 | ng/L | 0.225 | 0.976 |
| 4:2 FTSA (757124-72-4) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.976 |
| PFHxA (307-24-4) | WSLH PFAS in Water | <0.199 | ng/L | 0.199 | 0.976 |
| PFPeS (2706-91-4) | WSLH PFAS in Water | <0.133 | ng/L | 0.133 | 0.976 |
| HFPO-DA (13252-13-6) | WSLH PFAS in Water | <0.187 | ng/L | 0.187 | 0.976 |
| PFHpA (375-85-9) | WSLH PFAS in Water | <0.146 | ng/L | 0.146 | 0.976 |
| PFHxS (355-46-4) | WSLH PFAS in Water | <0.139 | ng/L | 0.139 | 0.976 |
| DONA (919005-14-4) | WSLH PFAS in Water | <0.125 | ng/L | 0.125 | 0.976 |
| 6:2 FTSA (27619-97-2) | WSLH PFAS in Water | <0.266 | ng/L | 0.266 | 0.976 |
| PFOA (335-67-1) | WSLH PFAS in Water | <0.105 | ng/L | 0.105 | 0.976 |
| PFHpS (375-92-8) | WSLH PFAS in Water | <0.185 | ng/L | 0.185 | 0.976 |
| | | | | | |

Page 4 of 6 Report ID: 10036036

Laboratory Report

Environmental Health Division

WSLH Sample: 630563002

PFAS in Water

| Analyte | Analysis Method | Result | Units | LOD | LOQ |
|----------------------------|------------------------------|--------|-------|-------|-------|
| Prep Date: 08/01/22 10:25 | Analysis Date: 08/02/22 17:0 | 6 | | | |
| PFOS (1763-23-1) | WSLH PFAS in Water | <0.140 | ng/L | 0.140 | 0.976 |
| PFNA (375-95-1) | WSLH PFAS in Water | <0.144 | ng/L | 0.144 | 0.976 |
| 9CI-PF3ONS (756426-58-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.976 |
| 8:2 FTSA (39108-34-4) | WSLH PFAS in Water | <0.256 | ng/L | 0.256 | 0.976 |
| PFDA (335-76-2) | WSLH PFAS in Water | <0.159 | ng/L | 0.159 | 0.976 |
| PFNS (68259-12-1) | WSLH PFAS in Water | <0.178 | ng/L | 0.178 | 0.976 |
| N-MeFOSAA (2355-31-9) | WSLH PFAS in Water | <0.214 | ng/L | 0.214 | 0.976 |
| N-EtFOSAA (2991-50-6) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.976 |
| FOSA (754-91-6) | WSLH PFAS in Water | <0.151 | ng/L | 0.151 | 0.976 |
| PFUnA (2058-94-8) | WSLH PFAS in Water | <0.217 | ng/L | 0.217 | 0.976 |
| PFDS (335-77-3) | WSLH PFAS in Water | <0.251 | ng/L | 0.251 | 0.976 |
| 11CI-PF3OUdS (763051-92-9) | WSLH PFAS in Water | <0.145 | ng/L | 0.145 | 0.976 |
| PFDoA (307-55-1) | WSLH PFAS in Water | <0.265 | ng/L | 0.265 | 0.976 |
| PFDoS (79780-39-5) | WSLH PFAS in Water | <0.241 | ng/L | 0.241 | 0.976 |
| PFTrDA (72629-94-8) | WSLH PFAS in Water | <0.188 | ng/L | 0.188 | 0.976 |
| N-MeFOSA (31506-32-8) | WSLH PFAS in Water | <0.976 | ng/L | 0.976 | 1.95 |
| N-MeFOSE (24448-09-7) | WSLH PFAS in Water | <0.274 | ng/L | 0.274 | 0.976 |
| N-EtFOSA (4151-50-2) | WSLH PFAS in Water | <0.677 | ng/L | 0.677 | 1.95 |
| N-EtFOSE (1691-99-2) | WSLH PFAS in Water | <0.207 | ng/L | 0.207 | 0.976 |
| PFTeDA (376-06-7) | WSLH PFAS in Water | <0.171 | ng/L | 0.171 | 0.976 |



Laboratory Report

Environmental Health Division

WSLH Sample: 630563002

WDNR LAB ID:113133790 NELAP LAB ID:2091

EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

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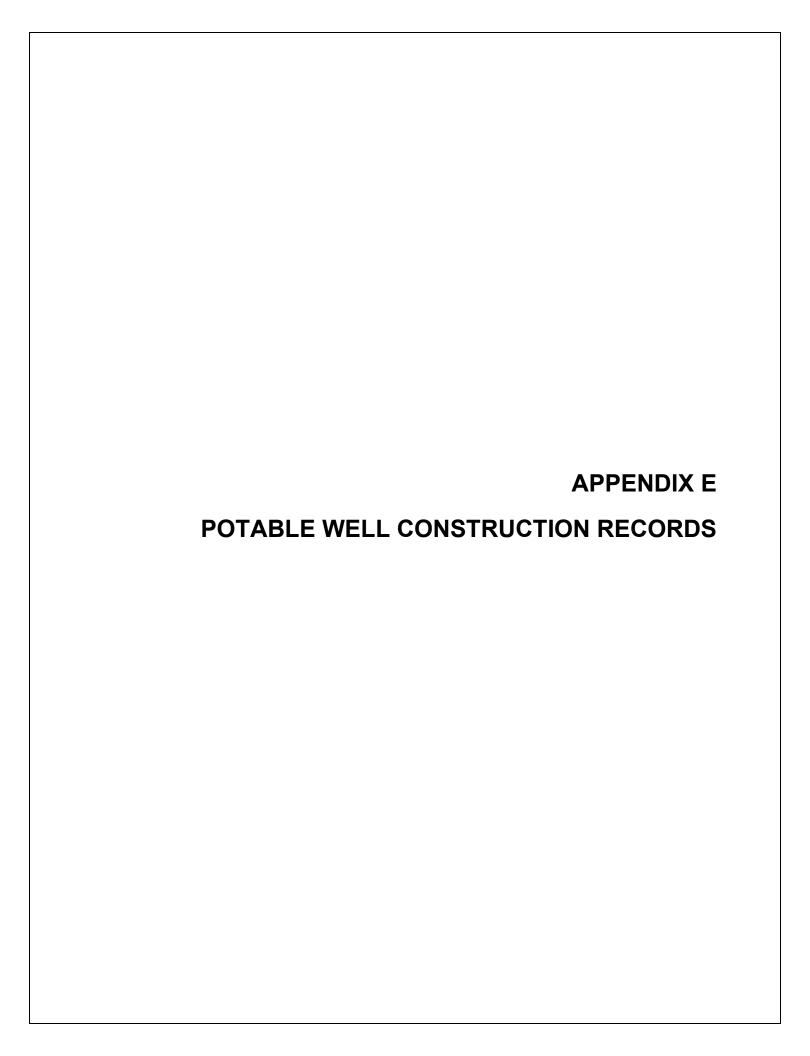
Responsible Party

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Metals: Graham Anderson, Supervisor 608-224-6281 Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230 Water Microbiology: Martin Collins, Supervisor 608-224-6239 Radiochemistry: David Webb, Division Director 608-224-6227

Wednesday, August 24, 2022 12:59:08 PM Page 6 of 6



State of Wisconsin Department of Natural Resources Rox 7921

Madison, Wisconsin 53707

NOTE:

Division's Copy White Copy Green Copy Driller's Copy

WELL CONSTRUCTOR'S REPORT Form 3300-15 Rev. 12-76

MAY 2 9 1981 Yellow Copy Owner's Copy 1. COUNTY Name CHECK (V) ONE: HOWARD BROWN **™** Village 🔲 Town City ■ OWNER AGENT AT TIME OF DRILLING CHECK (4) ONE Range 3. NAME Section Township % Section 24 N 20 E EONARD 2. LOCATION ADDRESS Street Name Grid or Street No. POST OFFICE AND - If available subdivision name, lot & block No. Floor Drain Connected To: 4. Distance in feet from well Building Sanitary Bldg, Drain Sanitary Bldg. Sewer Storm Bldg, Drain Storm Bldg, Sewer C.I. Other C.I. Sewer | Other Sewer! C.I. Other C.1. Other to nearest: (Record CJ. Other answer in appropriate 10 block) Sewage Absorption Unit Other Sewers Sewage Sump Holding Street Sewer Foundation Drain Connected to: Clearwater Septic Sump Tank Tank C.I. Other Sewage Seepage Pit Sewer San. Storm C.I. **Other** Sump Seepage Bed Clearwater Clearwater Seepage Trench Sump Dr. Glass Lined | Silo Pit: Nonconforming Existing Earthen Silage Privy Subsurface Pumproom Barn Animal Animal Silo Pet Storage Trench Or Pit With Pit Storage Facility Yard w/o Waste Gutter Batn Nonconforming Existing Well Pit Pit Pen Pump Tank Other (Give Description) Temporary Watertight Solid Manure Subsurface Waste Pond or Land Liquid Manure Gasoline or Disposal Unit Manure Storage Stack Tank Structure Oil Tank (Specify Type) 9. FORMATIONS 5. Well is intended to supply water for: COMMERCIAL From (ft.) To (ft.) Kind 6. DRILLHOLE Dia. (in.) From (tt.) To (ft.) Dia. (in.) From (ft.) To (ft.) Surface 9 Surface 165 CASING, LINER, CURBING AND SCREEN Material, Weight, Specification 6 To (ft.). & Method of Assembly Dia. (in.) From (ft.) 6 NEW BLACK STEEL Surface PLAIN END 18974 97 ASTM YOUNG STOWN 10. TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Jetting with ... Cable Tool GROUT OR OTHER SEALING MATERIAL Аîг Rotary-air Rotary-hammer To (ft.) Kind From (ft.) ☐ & air w/drilling mud Water Rotary-w/drilling mud 91 Reverse Rotary DRILLING MUD Surface Well construction completed on MISCELLANEOUS DATA above final grade below **GPM** Well is terminated inches Hrs. at Yield Test: X Yes No 40 Well disinfected upon completion Ft. Depth from surface to normal water level Depth of water level Yes No Well sealed watertight upon completion Yes l Stabilized when pumping 19 8/ laboratory on MADISON Water sample sent to Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side. Complete Mail Address Signature R5 SHORT OR DEPERE, W1. 54115 A///Kegistered Well Driller

State of Wisconsin Department of Natural Resources Box 450

NOTE:

White Copy Green Copy Dívision's CopyDriller's Copy WELL CONSTRUCTOR Form 3300-15

Rev. 10-75

15N 2 2 1070

| | Madison | , W18001 | nsun 33701 | 1 | | Yellow Cop | y – (| Owner's C | ору | | | | | JHK (| N N 131 | 3 |
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| TV 6 70 | BRO | لبلي | | _ | □ Tow | <u>n [XX]</u> | Village | | City | | | <u>aro</u> | | | | |
| | SE N | | ection | Section | Township | Range | 1. | NAME (| Z OWN | IER 🗔 | | | | | ING CHE | CK (4) ONE |
| | CATION | -+ | 37 | 3 | 24~ | 206 | | 0 | AVIC | 2 | PL | ATT | EN | | | |
| OR | – G | rid or S | treet No. | Street Name | ; | | 1 | ADDRESS | 5 | | | . , | | | | |
| _ | | | _ | ARad | KFIE | 10 | - 1 | | -5 v | 181 | va. | 4 | | | | |
| AN | D - If | availab | le subdivis | ion name, lot | & block No. | | | POST OF | FICE / | | | • | | _ | | |
| | | | | | | • | | | 11 | 22 | , 1 | 304 | | .) / | | |
| 4. Dist | ance in f | feet fro | m well | Building S | anitary Bldg, I | Drain Sanit | ary Bidg | ı. Sewer | F | loor Dr | ain | | • | dg. Drain | Stor | m Bidg, Sewe |
| to n | enrest: | (Rec | ord | · | | Other C,I | | Other | | nnected | | - | کیا <u>.</u> | Other | | Other |
| ansv bloc | wer in ap -k) | propria | ite | 14' | | | · | | | | 50 | | **** | 0 (,1(6) | | Other. |
| | t Sewer | Oth | er Sewers | Foundation | Drain Connec | ted to: Sewage | Sump | Clearw | ater Se | eptic H | lolding | Sewage | Abso | rption Ur | \1+ | |
| San. | Storm | C.I. | Other | Sewer | Sewage | C.1. | Other | Sum | _ | ank | Tank | Seepag | | - Priori Ga | , , , , , , , , , , , , , , , , , , , | |
| | | | | Clearwater | Sump | er! | | 1 | | cor, | | Seepag | e Bed | - - | | |
| Sul | D+4 | | ļ <u>.</u> | Dr. | Sump | | | | , | 111 | | Seepag | e Tren | ıch | | |
| Privy | Pet Waste | | lonconfort | ming Existing | ^- | Pumproom | Barn Gutter | | Animal Yard | Silo With | Gia Pit Sto | ss Lined srage | Silo w/o | | n Silage e Trench (|)r |
| | Pit | Pump | - | | Nonconfor | ming Existing | | Pen | | | Fac | ility | Pit | Pit | o rrandir (| |
| i | | Tank | - - | | † | | | ļ | ! | | | | | | | |
| Tempo Manur | | Watert | ight Manure | olid Manure | Subsurface | Waste Pond o | | Other (| ive Desc | cription | ·) | | | - | | |
| Stack | • [| Tank | Migitinie | Storage St ruct ure | Gasoline or Oil Tank | (Specify Typ | e) | | | | | | | | | |
| | [| | 1 | | | | | | | | | | | | | |
| 5. Well | l is inten | ded to | supply wat | ter for: | | | 19. | FORMA' | TIONS | | | | | | | |
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| <u> </u> | ILLHOI | 107 | | | 77074 | <u> </u> | \dashv | | | Kind | | | | From (f | 1 | To (ft.) |
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| 7. CA! | SING, L | NER, | URBING | AND SCREE | Ň | <u> </u> | | •··· | | | | | | ~~ | | Ψ • · · · · · |
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| 8. GR (| QUT QK | | | VG MATERIA | 1 | 1 / | | | | ! | | | | | | _ |
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| | | | | | 1 | | Wel | li construc | ction con | npleted | on | 11 | | 19 | 1 | 19 78 |
| 11. | MISCE | LLAN | EOUS D | ATA | | · · · · · · · · · · · · · · · · · · · | | | | - | | · · · · · · · · · · · · · · · · · · · | K | above | / | |
| | Yield To | | 8 | | Hrs. at | /¢GP | พ ไพ∞ | ll is termir | hotes | 18" | · : | ches | | below | final grad | le |
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| | Denst 4 | *** | dans to so | rmal water lev | rel . 30 |) Ft. | Wall | l disinfect | ad usas | comala | tion | | Ľ Z I · | Yes 🗆 | No | |
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| | Depth o | | ** | % - | , | ran | | | | | | • | (1777) | <u> </u> | 3. 7 | |
| | when | pumpin | g <u>#</u> | O FL | Stabilized | X Yes 🗆 | No Well | scaled w | atertight | upon c | omplet | ion | ſ Ž J | Yes 🗀 | No | |
| | | | | | | • | | | | | | | 1 | . ~ | , | |
| | Water s | ımple s | ent to | M | 10150N | | | | lal | boratory | y on _ | 18 | / / | 18 | / | 19 <u>28</u> |
| Your | opinion o | concern | ing other r | collution haza | rds, informati | on concerning | difficulti | es encoun | tered, an | d data | relating | to near | by wel | lls, screen | s, scals, m | ethod of |
| finishi | ng the w | ell, amo | ount of cer | ment used in g | grouting, blast | ing, etc., should | be give | n on rever | se side. | | • | | - | | - | |
| Signatu | re / |) | | | | | Con | mplete Ma | il Addre | ee | | | | | | |
| - Misaid | | • | | MA | 8 181 | 7 | 0 | mhiere Mis | ∧uule | اُ ج | عمير |) — 1 | OR | | | |
| | I | | 1 | . 11 h | welk! | ed Well Drifler | | | | 200 | DE | | , | 54// | ~ | |
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oct 1 1 1973 STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES NOTE Box 450 WHITE COPY - DIVISION'S COPY GREEN COPY - DRILLER'S COPY - WELLOW COPY - OWNER'S COPY Madison, Wisconsin 53701 CHECK ONE NAME

| 1 COUNTY | CHECK ON | E | NAME | <u> </u> | |
|---|--------------------------|---|----------------------------|--|----------------------|
| 30 mown | Town | ☐ Village ☐ | _ ^ `\ | BARRE | |
| 5 1 5 5 4 Th = 1 1 / 5 | ownship Range | | TIME OF DRILLING | ~ ++ ext | |
| 1114 31 | リリカフへ | C 1-60 | \ \ | | ١ |
| OR - Grid or street no Street name | | ADDRLSS | | 1 9 U'N 8+ | + - |
| | | , ADDRESS | 8 1 | • | |
| AND -I f available subdivision name, lot & block no | · | POST OFFIC | T | | |
| Transcor acceptation name, for & crock in | J | rostorric | | | |
| 4 Distance in feet from well to nearest: | BUILDING SANITARY S | EWER FLOOR DRAIN | FOUNDATION DR | | TER DRAIN |
| 4 Distance in feet from well to hearest. | | | EWER CONNECTED IND | | TILE |
| (Record answer in appropriate block) | 20 | | / | | |
| CLEAR WATER DRAIN SEPTIC TANK PRIVY | SEEPAGE PIT ABSOR | PIION FIELD BARN | - CHO (ARANDONE | <u> 201</u> | |
| C. I. TILE | SEEFAGE FIT ABSOR | PTION FIELD BARN | SILO ABANDONE | D WELL SINK HOLE | |
| - 126 | | = 4 | +/ | | \ |
| | | | | | |
| OTHER POLLUTION SOURCES (Give description | such as dump, quarry dra | inage well, stream, pond | , lake, etc) | | |
| | NOW | 1 Cz | | | 3. |
| 5. Well is intended to supply water for: | | | 、 / | • | |
| | Shirt 2 | 10 5 F | * ove | - | |
| 6. DRILLHOLE | | 9. FORMATI | q/vs | | , , |
| Dia (in) From (ft) To (ft) Dia (in | From (ft) To (ft |) | / Kind | From (ft) | To (ft) |
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| 1 O Surface | 1 | - | | Surface | Con |
| | · - · · · | | 144-47 | AM G Surface | $+\omega \cup$ |
| 67000 | | \mathcal{I}_{α} | MAISSE | 1 _ | 167 |
| 7. CASING, LINER, CURBING, AND SCRE | FN | -\ | 11400 t | —————————————————————————————————————— | \Q . \(\(\) |
| 4 | 1 | . \ | 1 | | 105 |
| Dia (in) Kind and Weight | From (ft) To (ft | '\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\- | 1 Mg 570 | ouz 6/ | 100 |
| <i>A A A A A A A A A A</i> | Surface | | | | |
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| 1Horndoneoup. | <u> </u> | | <u>-</u> | | <u> </u> |
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| | | | | | |
| 8 GROUT OR OTHER SEALING MATERI. | AL. | 10, TYPE-OF | DRILLING MACHINI | E USED | |
| Kind | From (ft) To (ft) | Cable Tool | | Rotary Rayer | se Rotary |
| | | Cable 1001 | Dect . | TOTAL THEVEL | se notary |
| Soristing mud | Surface | Rotary — au | | , | g with |
| | | w/drilling m | with drillin | ng mud & air | r 🔲 Water |
| | | Well construct | ion completed on | 10/5 | 197 |
| 11. MISCELLANEOUS DATA | - | | | / _above | ~ |
| Yield test: Hrs. at | · / 5 G | Mell is termina | ited 1 🚄 inch | | final grade |
| 110.0 10.01 | | | | | |
| Donth from surface to normal water level | ゲイ | ft. Well disinfecte | d upon completion | <u> </u> | No. |
| Depth from surface to normal water level | _ | | <u> </u> | | |
| | PE | . Well sealed wa | tertight upon completi | on I Ve | s No |
| Depth to water level when pumping | <u> </u> | ft vven seared wa | | | |
| Water sample sent to | a b a | | laboratory on | 10/11 | 10 77 |
| water sample sent to | 70150 | N | 1aboratory on | //// | 1923 |
| Your opinion concerning other pollution haza | rds, information conce | rning difficulties ence | ountered, and data rela | ting to nearby wells, so | creens, seals, |
| type of casing joints, method of finishing the | well, amount of cemen | t used in grouting, bla | asting, sub-surface pum | prooms, access pits, et | c., should |
| be given on reverse side. | | VA | KI DE VACUT DO | | - |
| SIGNATURE | | COMPLETE MA | ELL DRILLING | | |
| | | W . | CLL DKILLING | . 16 | |
| Jeo ambegadi | Registered Well Driller | 21 | 78 DOROTHY LA | NE . | |
| | Please do not | t write in space be | EEN BAY, WIS. | 54304 | |
| COLIFORM TEST RESULT | | GAS – 48 HRS | CONFIRMED | REMARKS | |
| * | | | | | |

State of Wisconsin Department of Natural Resources Box 7921 Madison, Wisconsin 53707

NOTE:

Driller's Copy

Owner's Copy

White Copy

Green Copy

Yellow Copy

Division's Copy

WELL CONSTRUCTOR'S REPORT Rev 12-76

Form 3300-15

BN-663-U

1 COUNTY CHECK (V) ONE Name Brown Howard X Village __ Town L City ¼ Section √ OWNER AGENT AT TIME OF DRILLING CHECK (4) ONE Section 3. NAME Range Township SE = NE = 24N 20E & J Homes LOCATION OR Grid or Street No. Street Name **ADDRESS** 190 Sun-Lite Dr. AND - If available subdivision name, lot & block No. POST OFFICE Wis. 54155 Oneida. Floor Drain Connected To Distance in feet from well Building Sanitary Bldg, Drain Sanitary Bldg Sewer Storm Bldg, Drain Storm Bldg Sewer to nearest: (Record C.t C I Sewer Other Sewer Other C I Other Other C.I CI. Other 10 answer in appropriate 50 block) Foundation Drain Connected to: Street Sewer Other Sewers Sewage Sump Sewage Absorption Unit Clearwater Holding Septic Sump Tank Tank Sewage Other C 1 Seepage Pit C.I San Other Storm Sewer Sump Seepage Bed Clearwater Clearwater 60 Sump Dr. Seepage Trench Privy Pet Nonconforming Existing Subsurface Pumproom Animat Glass Lined Barn Animal Silo Silo Earthen Silage Waste With Pit Storage Storage Trench Or Barn Yard w/o Pit Gutter Well Nonconforming Existing Pit Pen Facility Pump Tank Watertight Solid Manure Temporary Other (Give Description) Subsurface Waste Pond or Land Liquid Manure Storage Gasofine or Manure Disposal Unit Resident (Specify Type) Stack Tank Structure 5. Well is intended to supply water for: **FORMATIONS** Home To (ft.) From (ft.) Kind DRILLHOLE 16 Sand Dia (in) From (tt) To (ft.) Dia (in) From (ft.) To (ft.) Surface 16 22 Clay 66 Surface 22 26 Sand 185 66 7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification & Stones 26 Clay 51 & Method of Assembly Dia (in) From (ft.) To (ft) New, black steel 6 18.97 lbs/ft. 66 64 Hard Pari 51 Surface A 53 Grade B PE64 165 Limestone Sumitomo Metal I. 165 185 Sandstone TYPE OF DRILLING MACHINE USED Rotary-hammer w/drilling mud & air Cable Tool Jetting with GROUT OR OTHER SEALING MATERIAL Rotary-air w/drilling mud Kınd To (ft) From (ft) Rotary-hammer Air □ & air Water Rotary-w/drilling 66 Mud & Cuttings Surface Reverse Rotary mud Feb. 24 1978 Well construction completed on MISCELLANEOUS DATA above final grade Well is terminated **GPM** Yield Test: _ Hrs. at below 20 Depth from surface to normal water level Ft. Well disinfected upon completion Yes Depth of water level 45 X X Ft. Stabilized No Well sealed watertight upon completion Yes No Yes when pumping Madison, Wis. 19 78 Feb. 27 laboratory on pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of ement used in grouting, blasting, etc., should be given on reverse side. Signature, Complete Mail Address 425 Muehl St. amet Seymour, Wis. 54165

Registered Well Driller

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL CONSTRUCTION DIVISION

FEB 26 1945

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner John Jankowski Driller Landy & Lleason

Street or RFD 4 Post Office Health Bay Wis

Date April 26-114 Permit No. 14

LOCATION OF PREMISES

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

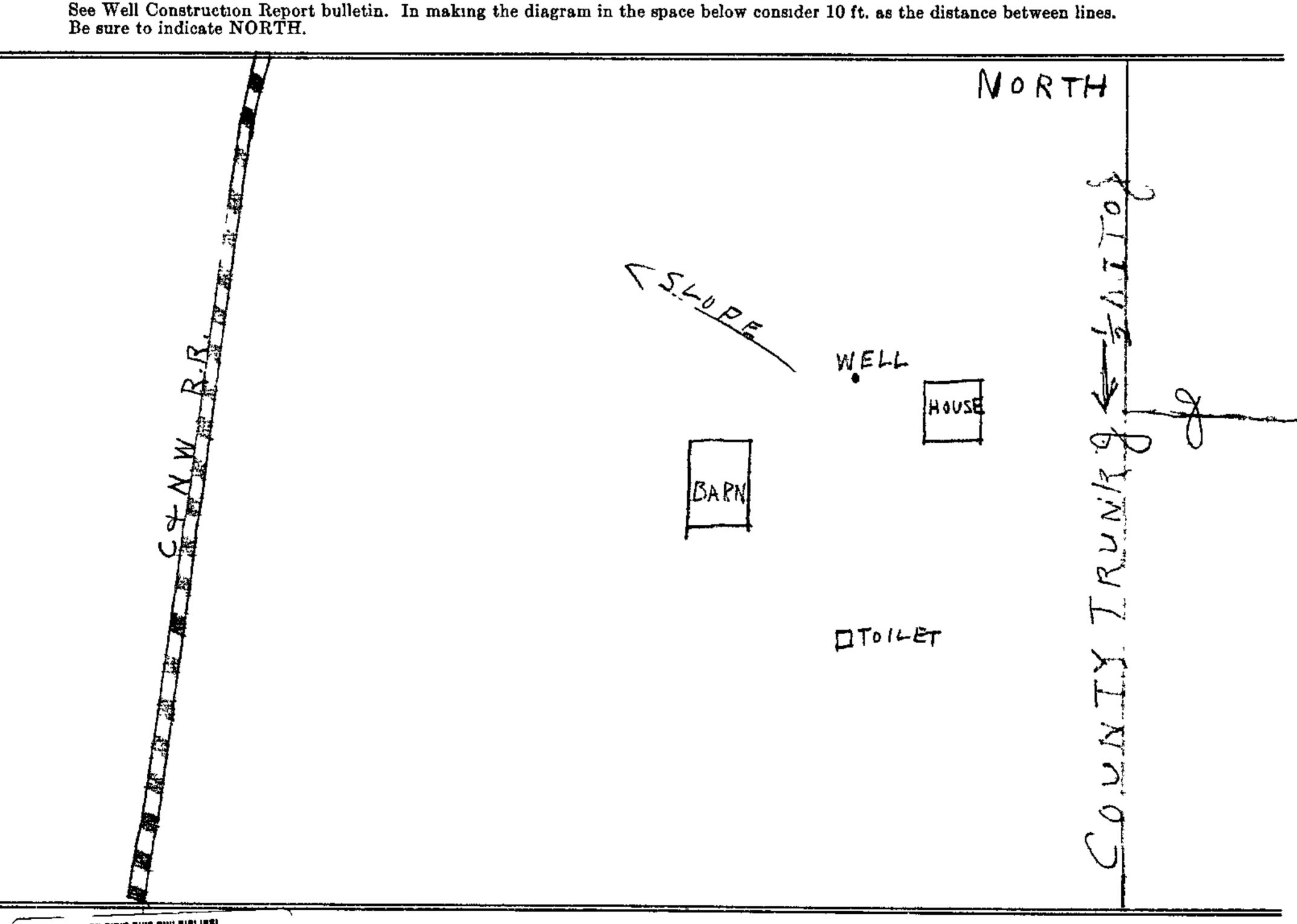
Describe further by subdivision, plat, district, lake, lot.

Twp. North 24 N

Block, nearest principal highway, etc., whichever apply.

Range 20 { E

DIAGRAM OF PREMISES



WELL LOG and REPORT

| In this column indicate the kind of casing, liner, shoe and •ther accessories used. | WELL DIAGRAM Use a red line to show or liner pipe. Use black for or borehole. | | In this column state the kind of formations penetrated, their thickness in feet and if water bearing. | Record of FINAL Pumping test |
|---|---|------------|---|---|
| 6"STD, W. T. | Inches Diameter 2 3 4 5 6 8 10121416 | Depth | SAND20' | Duration of test Hours |
| pip E. 61. | | ا مو 25 | | Pumping rate G.P.M. / D |
| FORGED DRIVE | | | BLUECLAY 55' | Depth of pump in well. Ft. /8 |
| STEEL-DRIVE SHOE | | 50 61 | CLAYEY GRAVEL | Standing water-level (from surface) Ft. 7 |
| | | 75 80' | LIMESTONE | Water-level when pumping Ft. 10 |
| | | 100 | | Water. End of test. Clear X Cloudy Turbid |
| | · | 150 | | Was the well sterilized? YesNo |
| | | 200 | | To which laboratory was sample sent? See Bay Wis Date April 27 - 1149 |
| | | 400 | | Was the well sealed on completion? Yes |
| | | 800 | | How high did you leave the casing-pipe above grade? |
| • | | 1200 | | Well Constructor |
| 4664-2 | Draw the diagram to show full diameter and right section well only. | the | | Well Constructor Landry + Gleacen Signsture |

WELL CONSTRUCTION REPORT WISCONSIN STATE BOARD OF HEALTH WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided

FEB 21 1944

by the Board. Owner Leo Hallam

Driller Olfice Freen Bay 8

Street or RFD 4

Post Office Freen Bay 8 LOCATION OF PREMISES The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. SWNE Sec. No. FARM - U.S. HIGHWAY 41 15 ThE

Describe further by subdivision, plat, district, lake, lot. **X**: Twp. North 2 4N NEAREST PRIDGIDAL HIGHWAY, block, nearest principal highway, etc., whichever apply. Range 20 { E DIAGRAM OF PREMISES See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH. BARN ☐ TOILET H 0.

WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential. Record of WELL DIAGRAM In this column state the kind of In this column indicate the kind Use a red line to show casing FINAL formations penetrated, their thickness in of casing, liner, shoe and other or liner pipe. Use black for drill Pumping test feet and if water bearing. accessories used. or borehole. STD-WEIGHT-PIPE Diameter Inches Depth 2 3 4 5 6 8 10121416 SAND Duration of test FORGED.STEEL 5 HOE BLUE CLAY Pumping rate CLAYEY GRAVEL Depth of pump in well. Ft. 30 53 53 Standing water-level (from surface) Ft.__/_Q__ LIMESTONE 28' Water-level when **75** pumping Ft. 14 81 Water. End of test. 100 Cloudy. Turbid__ Was the well sterilized? 150 ·To which laboratory was sample sent?? 200 Was the well sealed on completion? 400 How high did you leave the casing-pipe above grade? 10 isso 800 Well was completed Date /2 -2 - 43 1200

Draw the diagram to show the

full diameter and right section of well only.

BN 4667-2

| Well Construct WISCONSIN U | | | ER. | AA | ιH2 | 224 | | Depar | tmei | | Groundwa al Resour | | | Form 3 | 3300-077A |
|----------------------------|----------------------------------|---------------|--------------------|---------------|---------|------------|-------|----------|--------|-----------------------|-----------------------|----------|----------|------------|------------------|
| Property ALLEN L Owner | EE INVESTM | ENTS LLC | | · | Pho | ne# | | 1. Wel | l Lo | cation | | | | Fire # (if | avail.) |
| | OOKFIELD A\ | /F STF A | | | | | | Village | of H | HOWARD | | | | | |
| Address | OOKI ILLD AV | LOILA | | | | | | Street | Add | ress or Ro | ad Name a | nd Numb | er | | |
| City GREEN BAY | | | State W | I Zip C | ode | 54313 | | BROO | KFI | ELD AVEN | UE | | | | |
| County | Co. Permit # | Notification | n # | | Co | ompleted | | Subdiv | isior | Name | | | Lot | # B | lock # |
| Brown | | 82662242 | 202 | | 02 | 2-11-2021 | l | | | | | | | | |
| Well Constructor (B | usiness Name |) | Lic. # | Facility II | D # (F | Public We | lls) | Latitud | de / I | _ongitude i | n Decimal | Degree (| DD) | Method | Code |
| VAN DE YACHT LE | O WELL DRIL | LING INC | 6097 | | | | | 44.58 | 7 | °N | -88.058 | 5 | °W | GPS008 | 3 |
| | | | | Well Plan | n App | roval # | | SI | Ν | NE | Section | Townsh | ip | Range | |
| Address 4007 LAI | /E\/!E\/ DD | | | | | | | or Gov | t Lo | # | 3 | 24 | N | 20 | Е |
| | KEVIEW DR BAY WI 5431 | 3 | | Approva | l Date | (mm-dd-yy | уу) | 2. Wel | ΙТу | e New \ | Vell | | | | |
| | | | | | | | | of prev | ious | unique we | ell# | cc | onstruct | ted in | |
| Hicap Permanent W | /ell # | Common W | ell# | Specific | Capa | city | | Reaso | n for | replaced o | or reconstru | ucted we | II ? | | |
| | | | | 8.0 | | | | | | | | | | | |
| 3. Well serves 1 | # of BUILDIN | G | | Hicap W | ell? | No | | | | | | | | | |
| Non-community | | | | Hicap Pr | operty | y? No | | | | | | | | | |
| Heat Exchange | _# of drillholes | | | Hicap Po | table | ? No | | Constr | uctio | n Type D | rilled | | | | |
| 4. Potential Contain | IDE | | | • | | | | | | | | | | | |
| 5. Drillhole Dimens | sions and Cor | nstruction Me | ethod | | | | 8. | Geolog | ıy | | | | | | |
| Dia. (in.) From (ft.) | To (ft.) | per Enlarged | | | Low | er Open | | ology | | 8. Geolog | | | F | rom (ft.) | To (ft.) |
| 9 Surface | 83 Dr | illhole | | | | Bedrock | Cod | les | | Caving/No Hardness | oncaving, (| Color, | | | |
| 6 83 | | <u> </u> | ud Circulat | | | <u>No</u> | | S | | S-SAND | | | | Surface | 10 |
| - | No. | · . | ir | | | <u>Yes</u> | | С | | C-CLAY | | | | 10 | 60 |
| | No. | | ir & Foam . | | | <u>No</u> | | Z | | Z-CLAY | & GRAVEI | L | | 60 | 82 |
| | No No | _ | gh Casing otary | паншен | | | | L | Н | | STONE/DO | LOMITE | H- | 82 | 150 |
| | No. | | Bitin. | . dia | | No | | N | | SHALEY N-SAND | STONE | | | 150 | 181 |
| | No | | ry | | | No | | IN | | IN-SAIND | STONE | | | 130 | 101 |
| | No | Temp. Out | ter Casing | in. dia | ì | | | | | | | | | | |
| | No | | | pth ft. (If N | 0 | | | | | | | | | | |
| | | explain on | back side) | | | | ┝ | | | | | - | | | |
| 6. Casing, Liner, S | | | | | | | | Static V | | | | | 11. We | | |
| Dia. (in.) Material, \ | Neight, Specifi urer & Method | | | Fror | n (ft.) | To (ft.) | _ | | | ound surfac | ce | | | above gr | |
| | CK STEEL PL | | IDED | Cu | rface | 02 | | Pump | | | | | Develo | • | Yes |
| | 31EEE FE 33B 18.97# PE | | | Su | пасе | 03 | | | | 60 ft. below | | | | ected? | Yes |
| Dia. (in.) Screen typ | pe, material & | slot size | | Fror | n (ft.) | To (ft.) | | | | GP M for 2 | | | Cappe | d? | Yes |
| | | | | | | | Pur | nping N | letho | od? Airlif | t | | | | |
| 7. Grout or Other S | Sealing Materi | al | | | | | 12. | Notified | l Ow | ner of need | d to fill & se | eal? | | | No |
| Method TREMIE F | PIPE - PUMPE | D | | | | | | | | | | | | | |
| Kind of Sealing Mat | erial | From | (ft.) To | (ft.) # \$ | Sacks | Cement | | 100 | | 147 117) | | | | | |
| HIGH SOLIDS BEN | ITONITE | Surf | ace | 83 | | 4 S | Fille | ed & Se | aled | Well(s) as | needed? | | | | No |
| | | | | | | | | | | | | | | | |
| | | | | | | | 13 | Conetri | ıctor | / Supervis | ory Driller | Lic # | ŧ | Date | Signed |
| | | | | | | | TLV | | ال | , Cupervis | ory Dilliel | 6378 | | | |
| | | | | | | | _ | | oros | or | | | | | 3-2021 Signed |
| | | | | | | | KZ | Rig Op | eral | UI | | | r Reg # | | Signed |
| | | | | | | | r\Ζ | | | | | 736 | J | 03-2 | 3-2021 |

| Type Supplies Potable And ITS a Comment Spele or Holding, or POWTS Tank = 70 Comment YES IT IS PRIVATE POTABLE AND ITS A COMMERCIAL BUSINESS BUILDING 4/2321 (IDNR REVIEWER) SERVICE CATEGORY CHANGED TO NON-COMMUNITY, DUE TO INFORMATION PROVIDED THAT IT IT IS A COMMERCIAL BUSINESS BUILDING Water Quantity Text: Difficulty Toxt: Created On: 03-23-2021 Created by: EVANDEVACHT Updated On: 04-23-2021 Updated by: WELL PROCESS Created On: 03-23-2021 Created by: EVANDEVACHT Updated On: 04-23-2021 Updated by: WELL PROCESS | 4a. Potential | Contami | nation Sour | rces | Is the well locat | ed in flood | plain ? No | | | | |
|--|----------------|------------|-------------|-------------|-------------------|-------------|-------------|-----------------|-------------|-------------|----------|
| Comment: YES IT IS PRIVATE POTABLE AND ITS A COMMERCIAL BUSINESS BUILDING 4/23/21 (DNR REVIEWER) SERVICE CATEGORY CHANGED TO NON-COMMUNITY, DUE TO INFORMATION PROVIDED THAT IT IS A COMMERCIAL BUSINESS BUILDING Water Quality Text: Difficulty Text: | | | | | | | Туре | | | Qualifier | Distance |
| 4/23/21 (DNR REVIEWER) SERVICE CATEGORY CHANGED TO NON-COMMUNITY, DUE TO INFORMATION PROVIDED THAT IT IS A COMMERCIAL BUSINESS BUILDING Water Quality Text: Unificulty Text: | | | | | | | Septic or H | olding, or POWT | S Tank | = | 70 |
| 4/23/21 (DNR REVIEWER) SERVICE CATEGORY CHANGED TO NON-COMMUNITY, DUE TO INFORMATION PROVIDED THAT IT IS A COMMERCIAL BUSINESS BUILDING Water Quality Text: Unificulty Text: | Comment: | | YES IT IS | PRIVATE PO | OTABLE AND IT | TS A COM | MERCIAL BUS | SINESS BUILDIN | IG | | |
| Water Quantity Text: Difficulty Text: | | | 4/23/21 (D | NR REVIEW | (ER) SERVICE | CATEGOR | RY CHANGED | | | INFORMATION | PROVIDED |
| Difficulty Text: | Water Qualit | y Text: | | | | | | | | | |
| | Water Quant | tity Text: | | | | | | | | | |
| Created On: 03-23-2021 Created by: EVANDEYACHT Updated On: 04-23-2021 Updated by: WELL PROCESS | Difficulty Tex | ct: | | | | | | | | | |
| Created On: 03-23-2021 Created by: EVANDEYACHT Updated On: 04-23-2021 Updated by: WELL PROCESS | | | | | | | | | | | |
| | Created On: | 03-23-20 |)21 C | created by: | EVANDEYAC | HT | Updated On: | 04-23-2021 | Updated by: | WELL PROCE | ESS |
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| | | ion Repo VIQUE W | | NUMBEI | R | BF2 | 15 | | Depart | ng Water an ment of Na on WI 53707 | d Groundwa ural Resou | ater - DG/5 rces, Box 7 | 7921 | Form 3 | 300-077A |
|--------------------|--------------------|-------------------------|------------------|-------------------------|---------------|----------------|---------------------|-------|---------------|--|--------------------------|----------------------------|----------------------|------------|------------|
| Property Owner | HOWARI |), VILLAGE | OF | | | | one # 20)434-407 | '5 | 1. Well | Location | | | Fir | e # (if | avail.) |
| Mailing Address | 1336 COI | RNELL RD | | | | () | | | Village | of HOWAR |) | | | | |
| City HO | WARD | | | 5 | State WI | Zip Code | 54313 | | | | | | | | |
| County | | Co. Permit | # | Notification | # | | Completed | | Subdivi | sion Name | | | Lot # | В | lock # |
| Brown | | | | | | | 08-10-1980 | | | | | | | | |
| | structor (Bu | ısiness Nam | e) | | Lic. # Fa | | (Public We | | | | | | M | ethod (| Code |
| | ` | AND PUMP | 1 | | | 05046840 | (. 000 110 | ,, | | | | | | PS008 | |
| | | | | Į. | | ell Plan Ap | pproval # | | | | Section | Township | | Range | |
| Address | | | | | | 81174 | | | or Govt | Lot # | 3 | 24 N | | 20 | E |
| | | | | | Ap | oproval Da | te (mm-dd-yy | yy) | 2. Well | Type Nev | v Well | | | | |
| | | | | | 1 | 1-10-1978 | | | of previ | ous unique | well # | con | structed | l in | |
| Hicap Pe | rmanent W | ell # | Co | ommon Wel | I# Sp | pecific Cap | acity | | Reasor | for replace | d or reconstr | ucted well ' | ? | | |
| 75585 | | | 00 | 3 | 3 | .6 | | | | | | | | | |
| 3. Well s | erves # | of | | | Hi | cap Well ? | | | | | | | | | |
| Municipa | I/Communit | v | | | | · cap Prope | | | | | | | | | |
| | | , # of drillhole | s. | | | cap Potab | | | Constru | uction Type | Drilled | | | | |
| | | nination So | | - ON REV | | • | | | | 71. | | | | | |
| 5. Drillho | le Dimens | ions and C | onstr | uction Met | hod | | | 8. | Geolog | у | | | | | |
| Dia. (in.) | From (ft.) Surface | | Jpper Orillho | Enlarged | | Lo | wer Open Bedrock | Geo | ology | | ogy Type, Noncaving, | Color, | Fro | m (ft.) | To (ft.) |
| 22 | 83 | | <u>′es</u> | Rotary - Mu | d Circulation | | | | | | ss, etc | | | | 70 |
| 15 | 400 | | <u>′es</u> | Rotary - Air | | | | | С | CLAY | AITE CAL DI | Λ . Τ | Si | urface | 70 |
| 13 | 400 | 700 | | Rotary - Air | & Foam | | | | L | | MITE GAL PL | _A I | _ | 70 | 160 |
| | | | | Drill-Through | n Casing Ha | mmer | | Н | N | | TONE STP | | | 160 | 250 |
| | | | | Reverse Ro | • | | | | L N | | MITE PDC STONE CAM | D | | 250 355 | 355 775 |
| | | - | <u>es</u> | Cable-tool B | | | | | Q | | MBRIAN RO | | | 775 | 780 |
| | | | | Dual Rotary Temp. Outer | | | | | Q | FREG | IIVIDRIAIN RC | JOR | | 113 | 700 |
| | | | | Removed? | ?depth | ft. (If NO | | | | | | | | | |
| | | | | explain on b | ack side) | | | L | | | | | | _ | |
| 6. Casing | g, Liner, So | reen | | | | | | | | ater Level | | | 1. Well | | |
| Dia. (in.) | | Veight, Spector & Metho | | | | From (ft | .) To (ft.) | | below (| ground surfa | ice | | 2 in. ab Develope | ŭ | ade |
| 24 | | W BLACK F BLA BARGE | | | | Surfac | e 83 | Pun | nping le | vel 392 ft. be | elow surface | D | Disinfect | ed ? | Yes |
| | | G STEEL A | | | | | | Pun | nping at | 1400 GP M | for 12 Hrs. | C | capped ' | ? | Yes |
| 16 | LA BARGE | INC | | | | 8 | 3 400 | Pur | nping M | ethod? | | | | | |
| Dia. (in.) | Screen typ | e, material | & slot | size | | From (ft | .) To (ft.) | 12. | Notified | Owner of no | ed to fill & s | eal? | | | |
| | | | | | | | | | | | | | | | |
| 7. Grout | or Other S | ealing Mate | rial | | | | | | | | | | | | |
| Method | PRESSUR | Ε | | | | | | Fille | ed & Sea | aled Well(s) | as needed? | | | | |
| Kind of S | ealing Mate | erial | | From (f | t.) To (f | t.) # Sac | ks Cement | | | | | | | | |
| CEMENT | • | | | Surfa | ce 40 | 00 | | | | | | | | | |
| | | | | | | | | 13. | Constru | ctor / Super | visory Driller | Lic# | | Date | Signed |
| | | | | | | | | AL | | | | | | | |
| | | | | | | | | Drill | l Rig Op | erator | | Lic or | Reg # | Date | Signed |
| | | | | | | | | | | | | | | | |

| 4a. Potential | Contamination So | ources | Is the well located in floor | dplain ? | | | |
|----------------|------------------|-------------|------------------------------|-------------|------------|-------------|----------------|
| Comment: | | | | | | | |
| Water Quality | y Text: | | | | | | |
| Water Quant | ity Text: | | | | | | |
| Difficulty Tex | t: | | | | | | |
| Created On: | 11-05-1998 | Created by: | HFRC LOAD | Updated On: | 07-12-2021 | Updated by: | WGNHS Exchange |
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| | ruction Repo N <i>UNIQUE WI</i> | | ī R | DT0 | 91 | | Departi | g Water and ment of Natu on WI 53707 | Groundwa ral Resour | ter - DG/s ces, Box | 5 7921 | Form 3 | 3300-077A |
|-----------------------|------------------------------------|-----------------------------|---------------|---------------|---------------|-------|----------|--|------------------------|------------------------|-----------|-----------|-----------|
| Property HAV Owner | ERKORN, MIKE | | | | hone # | , | 1. Well | Location | | | F | ire # (if | avail.) |
| Mailing 2852 | NORTHWOOD | RD | | (4 | 14)434-952 | 2 | Village | of HOWARD | | | | | |
| Address | | | | T | | | | Address or Ro | ad Name a | and Numbe | er | | |
| City GREEN E | | | State WI | Zip Code | | | | (FIELD AVE | | | 1 | | |
| County | Co. Permit | # Notification | า # | | Completed | | Subdivi | sion Name | | | Lot # | : B | lock # |
| Brown | | | | | 10-27-1993 | | | | | | | | |
| | or (Business Nam | • | | Facility ID # | (Public We | ells) | Latitud | e / Longitude | in Decimal | Degree (E | . | /lethod | |
| VAN DE YACH | T LEO WELL DR | ILLING I | 6097 | | | | | °N | | | °W | GPS008 | 3 |
| | | | \ | Vell Plan A | pproval # | | SE | | Section | Township | ' I | Range | |
| Address 3383 | OAK FOREST D | DR | | | | | or Govt | | 3 | 24 | N | 20 | E |
| GRE | EN BAY WI 543 | 13 | <i>F</i> | Approval Da | ate (mm-dd-yy | | 2. Well | | | | | | |
| | | | | | | | | ous unique we | | | nstructe | d in | |
| Hicap Permane | ent Well # | Common We | ell# S | Specific Cap | oacity | | | for replaced | or reconstr | ucted well | ? | | |
| | | | | 0.6 | | | WAREH | HOUSE | | | | | |
| 3. Well serves | 1 # of WAREH | HOUSE | F | Hicap Well ? | ? No | | | | | | | | |
| Private,potable | | | F | Hicap Prope | erty? No | | | | | | | | |
| Heat Exchange | # of drillhole | s | F | licap Potab | le? | | Constru | ction Type [| Drilled | | | | |
| 4. Potential Co | ntamination Sou | rces - ON REV | ERSE SII | DE | | | | | | | | | |
| 5. Drillhole Dir | nensions and Co | onstruction Me | thod | | | 8. 0 | Geology | у | | | | | |
| Dia. (in.) From | (ft.) To (ft.) | Jpper Enlarged | | Lo | wer Open | Geo | | 8. Geolo | gy Type, | | Fr | om (ft.) | To (ft.) |
| 9 Sui | | Prillhole | | | Bedrock | Cod | es | Caving/N Hardness | oncaving, (| Color, | | | |
| 6 | 82 182 <u>\</u> | <u>es</u> Rotary - Mu | id Circulatio | on | | | s | SAND | , 610 | | | Surface | 20 |
| | <u> </u> | <u>es</u> Rotary - Air | | | | | С | CLAY | | | | 20 | 75 |
| | | Rotary - Air | | | | | Р | HARDPA | N | | _ | 75 | 82 |
| | | Drill-Throug | , | ammer | | | L | LIMESTO | | | | 82 | |
| | | Reverse Ro | • | dia | | | N | SANDST | | | | 160 | |
| | | Cable-tool I Dual Rotary | | | | | | 07 11 12 0 1 | | | | | .02 |
| | | Temp. Oute | | | | | | | | | | | |
| | | Removed | _ | h ft. (If NO | | | | | | | | | |
| | | explain on I | pack side) | | | | | | | | | | |
| 6. Casing, Line | er, Screen | | | | | 9. S | tatic W | ater Level | | | 11. We | l Is | |
| | ial, Weight, Spec | | | From (f | t.) To (ft.) | 80 f | t. below | ground surfa | ce | | 12 in. a | bove gra | ade |
| Manu | facturer & Method | d of Assembly | | | | 10. | Pump T | est | | | Develop | ed? | Yes |
| | BLACK STEEL F 1-A-53B 18.97#PI | | | Surfac | ce 82 | Pum | ping lev | el 120 ft. belo | w surface | I | Disinfed | ted? | Yes |
| | en type, material 8 | | | From (f | t.) To (ft.) | Pum | ping at | 25 GP M for 2 | 2 Hrs. | | Capped | ? | Yes |
| Dia. (iii.) Coroc | m typo, matorial c | . 0.01 0.20 | | 110111 (11 | ., 10 (1) | | nping M | ethod ? | | | | | |
| 7. Grout or Ot | ner Sealing Mate | rial | | | | 12. 1 | Notified | Owner of nee | d to fill & se | eal ? | | | |
| Method | g | | | | | | | | | | | | |
| Kind of Sealing | Material | From (| ft.) To | (ft.) # Sac | ks Cement | | | | | | | | |
| DRILL SLURR | | Surfa | · / | 82 | no Comon | Fille | d & Sea | led Well(s) as | needed? | | | | No |
| DIVILL GLOTAR | • | Ounc | 100 | 02 | | N/A | PP | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 13. (| Constru | ctor / Supervis | sory Driller | Lic # | | Date | Signed |
| | | | | | | LV | | | | | | 10-27 | 7-1993 |
| | | | | | | Drill | Rig Ope | erator | | Lic or | Reg# | Date | Signed |
| | | | | | | TV | | | | | | 10-27 | 7-1993 |
| | | | | | | - | | | | | | | |

| 4a. Potential | Contamination | Sources | Is the well located in fl | oodplain ? <u>No</u> | | | | |
|----------------|---------------|-------------|---------------------------|----------------------|------------|-------------|-----------|----------|
| | | | | Туре | | | Qualifier | Distance |
| | | | | Building Ove | rhang | | | 12 |
| Comment: | | | | | | | | |
| Water Quality | y Text: | | | | | | | |
| Water Quant | tity Text: | | | | | | | |
| Difficulty Tex | | | | | | | | |
| | | | | | | | | |
| Created On: | 02-04-1994 | Created by: | HFRC LOAD | Updated On: | 02-04-1994 | Updated by: | MIGRATION | |
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| Well Construct WISCONSIN U | | | R | JC1 | 47 | | Departi | ng Water and ment of Natu on WI 53707 | | | | Form 3 | 300-077A |
|----------------------------------|----------------------------------|----------------------|---------------|--------------|------------------------|--------|-----------|---|-----------------------|------------|-----------|----------|----------|
| Property BROWN Owner | CO SPORTSM | MAN CLUB | | F | Phone # | | 1. Well | Location | | | Fi | re # (if | avail.) |
| Mailing ROUTE | 4 | | | | | | Town o | of HOWARE | | | | | |
| Address | | | | | | | Street / | Address or Ro | ad Name a | and Numbe | r | | |
| City GREEN BAY | | | State WI | Zip Cod | le 54304 | | | | | | | | |
| County | Co. Permit # | Notification | n # | | Completed | | Subdivi | ision Name | | | Lot # | В | lock # |
| Brown | | | | | 01-30-196 | | | | | | | | |
| Well Constructor (B | usiness Name | | Lic. # Fa | acility ID # | # (Public We | ells) | Latitud | le / Longitude | in Decimal | | | ethod (| |
| RAY GLEASON | | | 4 | 05050360 | 0 | | | °N | | | | PS008 | |
| | | | W | ell Plan A | Approval # | | NE | | Section | Township | | Range | |
| Address 224 S. R | OOSEVELT S | Γ | | | | | or Govt | | 3 | 24 | 1 | 20 | E |
| GREEN | BAY WI 5430 | 1 | Ap | oproval D | ate (mm-dd-yy | уу) | 2. Well | | | | -11 | C. | |
| 5 | | | | | | | | ious unique w | | | structed | d in | |
| Hicap Permanent W | /ell # | Common We | -' | oecific Ca | apacity | | Reason | for replaced | or reconstr | ucted well | ? | | |
| | | | | .3 | | | | | | | | | |
| | # of CLUB | | | cap Well | | | | | | | | | |
| Non-community | | | Hi | cap Prop | erty? No | | | | | | | | |
| Heat Exchange | _# of drillholes | | | cap Potal | ble? | | Constru | uction Type [| Orilled | | | | |
| 4. Potential Contai | mination Sour | ces - ON REV | ERSE SID | E | | | | | | | | | |
| 5. Drillhole Dimens | sions and Con | struction Met | thod | | | 8. | Geolog | у | | | | | |
| Dia. (in.) From (ft.) | | per Enlarged | | L | ower Open | _ | ology | 8. Geolo | | Color | Fro | m (ft.) | To (ft.) |
| 10 Surface | 20 | illhole Rotany Mu | d Circulation | | Bedrock | Coo | ies | Hardness | oncaving, (s, etc | JOIOI , | | | |
| 6 20 | 104 No | | | | <u>No</u> No | | S | SAND | | | S | urface | 40 |
| | No. | | & Foam | | No | | С | CLAY | | | | 40 | 74 |
| | No. | | h Casing Ha | | 110 | | L | LIMESTO | NE | | | 74 | 104 |
| | No. | | _ | | | | | | | | | | |
| | No | | Bitin. di | a | <u>No</u> | | | | | | | | |
| | | Dual Rotary | · | | | | | | | | | | |
| | <u>No</u> | Temp. Oute | r Casing | _in. dia | | | | | | | | | |
| | <u>No</u> | Removed explain on b | ?depth | ft. (If NO | | | | | | | | | |
| | | oxpiaii oii s | aun oluo, | | | | N-4:- \A/ | ater Level | | I_1 | 1. Well | le. | |
| 6. Casing, Liner, S | | | | F / | (r.) - (r.) | | | ground surfa | 20 | | 0 in. ab | | ada |
| Dia. (in.) Material, \ Manufacto | Weight, Specifi urer & Method | | | From (| π.) Ιο (π.) | _ | Pump 1 | | | | Develope | J | No |
| 6 STEEL 19 | 9.45 | | | Surfa | ace 74 | 1 | - | vel 20 ft. belov | v curfoco | | Disinfect | | Yes |
| Dia. (in.) Screen type | | slot size | | From (| | | | 14 GP for 3 l | | | Capped | | Yes |
| | , | | | | (11) | | | | 115. | | appeu | f | 162 |
| 7. Grout or Other S | Sealing Materi | al | | | | Ъ— | nping M | | | | | | |
| Method | | | | | | 12. | Notified | Owner of nee | d to fill & so | eal? | | | |
| Kind of Sealing Mat | erial | From (| ft.) To (f | t.) # Sa | cks Cement | | | | | | | | |
| PUDDLED CLAY | | Surfa | , , | 20 | | 1 | nd & Spa | aled Well(s) as | needed? | | | | No |
| | | | | - | | i ilic | u & Sea | aled Well(s) as | needed: | | | | INO |
| | | | | | | | | | | | | | |
| | | | | | | 13. | Constru | ctor / Supervis | sory Driller | Lic # | | Date | Signed |
| | | | | | | | | ., . | | | | | J |
| | | | | | | Drill | Rig Ope | erator | | Licor | Reg# | Date | Signed |
| | | | | | | | 3 - 1- | | | | | | <u> </u> |

| 4a. Potential Contamination Sources | s the well loca | ted in floodpla | ain ? <u>No</u> | | |
|-------------------------------------|-----------------|-----------------|----------------------------------|-----------|----------|
| Туре | Qualifier | Distance | Туре | Qualifier | Distance |
| Building Drain - Sanitary | | 20 | Sewer - Building Sanitary | | 10 |
| Building Overhang | | 6 | Septic or Holding, or POWTS Tank | | 52 |

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 05-31-2001 Created by: DENZES Updated On: 04-19-2013 Updated by: PWS TRANSFER

| | | ion Report VIQUE WE | | R | KS | 08 | 0 | | Depart | ng Water ar ment of Na on WI 5370 | nd Groundw tural Resou 7 | ater - DG/ rces, Box | 5 7921 | Form 3 | 3300-077A |
|--------------------|--|------------------------|----------------|-------------|---------------------------|---------|--------------------|----------------|----------|---|--------------------------------|-------------------------|-----------|-------------------|------------|
| Property Owner | MIKE HA | VERKORN CO | DNST | | | | ne # .)434-398: | 2 | 1. Well | Location | | | | Fire # (if | avail.) |
| Mailing Address | 2852 NOI | RTHWOOD R | D | | | (414 |)434-398 | 3 | - 0 | of HOWAR | | | | | |
| | EEN DAY | | | Ctoto M | I Zin Ca | - do | E 4242 | | | | Road Name : - | and Numb | er | | |
| | EEN BAY | Co. Permit # | | State W | I ZIP Co | | 54313 | | | KFIELD AV | Ξ | | 1 | " b | 11-11 |
| County | | Co. Permit # | Notification | 11 # | | | ompleted | | Subdiv | ision Name | | | Lot | # B | lock # |
| Brown | | | | 1 1 | | | 1-16-1996 | | | | | | | | |
| | ` | usiness Name | | Lic. # | Facility ID |) # (F | Public We | lls) | Latitud | _ | de in Decimal | Degree (I | | Method | |
| VAN DE | YACHT LE | O WELL DRIL | LING I | 6097 | | | | | | | 'N | | °W | GPS008 | 3 |
| | | | | | Well Plan | App | roval # | | SE | | | Townshi | . | Range | |
| Address | 3383 OA | K FOREST DF | ? | | | | | | or Gov | | 3 | 24 | N | 20 | E |
| 7 1441 555 | | BAY WI 5431 | | | Approval | Date | (mm-dd-yy | уу) | 2. Well | | w Well | | | | |
| | | | | | | | | | of prev | ious unique | well # | CO | nstruc | ted in | |
| Hicap Pe | rmanent W | ell# | Common We | ell# | Specific C | Capa | city | | Reasor | n for replace | d or reconsti | ucted well | ? | | |
| | | | | | 0.7 | | | | WARE | HOUSE | | | | | |
| 3. Well s | erves 1 | # of WAREHO | USE | | Hicap We | ell ? | No | | | | | | | | |
| Private,po | otable | | | | Hicap Pro | perty | y? No | | | | | | | | |
| Heat Exc | hange | # of drillholes | | | Hicap Pot | table | ? | | Constru | uction Type | Drilled | | | | |
| 4. Potent | Well serves 1 # of WAREHOUSE ivate,potable Potential Contamination Sources - ON REVERSE SIDE Prillhole Dimensions and Construction Method a. (in.) From (ft.) To (ft.) 9 Surface 79 6 79 222 Upper Enlarged Drillhole Yes Rotary - Mud Circulation Rotary - Air & Foam Drill-Through Casing Hammer | | | | | | - | | | | | | | | |
| 5. Drillho | le Dimens | | | 8. (| Geolog | v | | | | | | | | | |
| Dia. (in.) | From (ft.) | To (ft.) | ner Enlarged | | | Low | er Open | | logy | - | logy Type, | | F | rom (ft.) | To (ft.) |
| , , | ` ' | Dr. | | | | LOW | Bedrock | | | Caving | /Noncaving, | Color, | | | () |
| 6 | 79 | 222 <u>Ye</u> | s Rotary - Mu | ud Circulat | ion | | | | s | SAND | 555, 610 | | - | Surface | 10 |
| | | | s Rotary - Air | r | | | | | C | CLAY | | | - | 10 | 70 |
| | | | Rotary - Air | & Foam | | | | | P | HARD | DANI | | - | 70 | 79 |
| | | | Drill-Throug | gh Casing | Hammer | | | | L | LIMES | | | - | 70 | 140 |
| | | | Reverse Ro | • | | | | \vdash | N | | | | - | 140 | |
| | | | Cable-tool | | | | | | IN. | SAND | STONE | | | 140 | 222 |
| | | | Dual Rotary | | | | | | | | | | | | |
| | | | Temp. Oute | _ | in. dia oth ft. (If NC | | | | | | | | | | |
| | | | explain on | | ourn. (ii ive | | | | | | | | | | |
| 6. Casing | g, Liner, So | creen | | | | | | | | ater Level | | | 11. W | ell Is | |
| Dia. (in.) | | Veight, Specifi | | | From | n (ft.) | To (ft.) | 40 f | t. below | ground su | face | | 12 in. | above gra | ade |
| 6 | | rer & Method | | LDED | Sur | face | 79 | | Pump | | elow surface | | | oped ? ected ? | Yes Yes |
| | ASTM A53 | BB 18 97LB PE | R FT SAWHI | LL PIPE | | | | | | 40 GP M fo | | | Cappe | | Yes |
| Dia. (in.) | Screen typ | e, material & | slot size | | From | n (ft.) | To (ft.) | l | - | | <i>n</i> 21113. | | Сарре | u: | 163 |
| | | | | | | | | ┡ | | ethod ? | 1 | | | | |
| 7. Grout | or Other S | ealing Materi | al | | | | | 12. | Notified | Owner of n | eed to fill & s | eal? | | | |
| Method | | | | | | | | | | | | | | | |
| Kind of S | ealing Mate | erial | From | (ft.) To | (ft.) # S | Sacks | Cement | Fillo | d & So | alad Wall(e) | as needed? | | | | |
| DRILL SL | URRY | | Surfa | ace | 79 | | | i ilie | u & Sea | aled Well(s) | as needed: | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | 13. (| Constru | ctor / Supe | visory Driller | Lic # | : | Date | Signed |
| | | | | | | | | LV | | | | | | | 6-1996 |
| | | | | | | | | _ | Rig Op | erator | | Lic o | r Reg i | | Signed |
| | | | | | | | | TV | 3 - 6 | - | | | - 3 ' | | 6-1996 |
| | | | | | | | | ' ['] | | | | | | 01-10 | . 1330 |

| 4a. Potential Contamination Sources | Is the well loca | ted in floodpla | ain? <u>No</u> | | |
|-------------------------------------|------------------|-----------------|--------------------------------|-----------|----------|
| Туре | Qualifier | Distance | Туре | Qualifier | Distance |
| Building Overhang | | 10 | Collector Sewer - San or Storm | | 75 |
| Clearwater Sump | | 30 | Foundation Drain to Clearwater | | 12 |
| | | | Sewer - Building Sanitary | | 50 |

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

Created On: 05-10-1996 Created by: HFRC LOAD Updated On: 10-24-2002 Updated by: WELL PROCESS

| | onstruct DNSIN UI | | | NUMBE | R | N | Q1 | 53 | | Depart | ng Water and ment of Natu on WI 53707 | Groundwa ral Resour | ater - DG/ ces, Box | /5 : 7921 | Form 3 | 3300-077A |
|-------------------|----------------------|-----------------------|------------|---------------------------|------------|-------------|----------|---|----------|----------|---|------------------------|------------------------|--------------|------------|-----------|
| Property Owner | MIKE HA | VERKORN | CONS | ST | | | | one # | | 1. Well | Location | | | | Fire # (if | avail.) |
| Mailing | 2852 NOI | RTHWOOL |) RD | | | | (92) | 0)434-398 | اده ا | Village | of HOWARD | | | | | |
| Address | | | | | | | | | | Street | Address or Ro | ad Name a | and Numb | oer | | |
| City GR | EEN BAY | | | 8 | State W | I Zip | Code | 54313 | | BROO | KFIELD RD | | | | | |
| County | | Co. Permi | t # | Notification | ı # | | C | Completed | | Subdiv | ision Name | | | Lot | Lot # BI | |
| Brown | | | | | | | C | 9-21-199 | 9 | | | | | | | |
| Well Con | structor (Bu | usiness Na | me) | | Lic. # | Facility | y ID # (| Public We | ells) | Latitud | de / Longitude | in Decimal | Degree (| DD) | Method | Code |
| VAN DE | YACHT LE | O WELL D | RILLIN | G INC | 6097 | | | | | | °N | | | °W | GPS008 | 3 |
| | | | | I. | | Well P | lan Ap | proval # | | SE | E NW | Section | Townsh | ip | Range | |
| Λ -l -l | 2202 041 | / FODEST | DD | | | | | | | or Gov | t Lot # | 3 | 24 | N | 20 | E |
| Address | | K FOREST BAY WI 54 | | | | Approv | val Dat | e (mm-dd-yy | yy) | 2. Well | Type New | Well | | | | |
| | | | | | | | | | | of prev | ious unique w | ell# | CC | onstruc | ted in | |
| Hicap Pe | rmanent W | ell# | Co | ommon Wel | II # | Specif | ic Capa | acity | | Reason | n for replaced | or reconstr | ucted wel | II ? | | |
| | | | | | | 0.5 | | | | WARE | HOUSE | | | | | |
| 3. Well s | erves 1 | # of | | | | Hicap ' | Well? | No | | | | | | | | |
| Private,po | otable | | | | | Hicap | Proper | ty? No | | | | | | | | |
| Heat Exc | hange | # of drillho | les | | | Hicap | Potable | e ? | | Constr | uction Type I | Drilled | | | | |
| | | nination S | ources | - ON REV | | | | - | | | | | | | | |
| 5. Drillho | le Dimens | ions and (| Constr | uction Met | hod | | | | 8. | Geolog | ıv | | | | | |
| | From (ft.) | | | Enlarged | | | Lov | wer Open | | ology | | gy Type, | | | From (ft.) | To (ft.) |
| 9 | Surface | 83 | Drillho | | | | LOV | Bedrock | _ | | Caving/N | oncaving, | Color, | | | () |
| 6 | 83 | 202 | <u>Yes</u> | Rotary - Mu | d Circulat | on | | | | s | Hardness | s, etc | | | Surface | 35 |
| | | | <u>Yes</u> | Rotary - Air | | | | | | C | CLAY | | | | 35 | |
| | | | | Rotary - Air | & Foam | | | | | Р | HARDPA | N | | | 78 | |
| | | | | Drill-Through | h Casing | Hamme | r | | | L | LIMESTO | | | | 83 | |
| | | | | Reverse Ro | - | | | | | N | SANDST | | | - | 135 | |
| | | | | Cable-tool B Dual Rotary | | | | | | 114 | SANDOT | ONL | | | 133 | 202 |
| | | | | Temp. Outer | | | | | | | | | | | | |
| | | | | Removed? | _ | oth ft. (If | | | | | | | | | | |
| | | | | explain on b | | ` | | | | | | | | | | |
| 6. Casing | g, Liner, So | creen | | | | | | | | | ater Level | | | 11. W | ell Is | |
| | Material, V | | | | | Fr | om (ft. |) To (ft.) | 40 f | t. below | v ground surfa | ce | | 12 in. | above gr | ade |
| | Manufactu | rer & Meth | od of A | ssembly | | | | | 10. | Pump ' | Test | | | Devel | oped? | Yes |
| 6 | | | | END WEL FT. SAWHI | | | Surface | 83 | Pun | nping le | vel 120 ft. beld | ow surface | | Disinf | ected? | Yes |
| Dia. (in.) | Screen typ | | | | | _ | om (ft. |) To (ft.) | Pun | nping at | 40 GP M for 2 | 2 Hrs. | | Cappe | ed? | Yes |
| () | | -, | | | | | (11) | , | | nping M | lethod? | | | | | |
| 7. Grout | or Other S | ealing Ma | terial | | | | | | 12. | Notified | Owner of nee | ed to fill & se | eal? | | | |
| Method | | | | | | | | | | | | | | | | |
| Kind of S | ealing Mate | erial | | From (f | ft.) To | (ft.) | # Sack | s Cement | | | | | | | | |
| DRILL SL | | | | Surfa | - | 83 | | | Fille | d & Sea | aled Well(s) as | needed? | | | | No |
| | | | | | | | | | N/A | PP | | | | | | |
| | | | | | | | | | <u> </u> | | | | 1. | | 1 - | |
| | | | | | | | | | _ | Constru | ıctor / Supervi | sory Driller | Lic # | # | | Signed |
| | | | | | | | | | LV | | | | | | 09-2 | 1-1999 |
| | | | | | | | | | | Rig Op | erator | | Lic o | r Reg | # Date | Signed |
| | | | | | | | | | KS | | | | | | 09-2 | 1-1999 |

| 4a. Potential | Contamination S | ources | Is the well located in floodplain ? No | | | | | | | | | |
|----------------|-----------------|-------------|--|--------------|------------|-------------|------------|----------|--|--|--|--|
| | | | | Туре | | | Qualifier | Distance | | | | |
| | | | | Building Ove | erhang | | | 4 | | | | |
| Comment: | | | | | | | | | | | | |
| Water Quality | / Text: | | | | | | | | | | | |
| Water Quant | ity Text: | | | | | | | | | | | |
| Difficulty Tex | t: | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Created On: | 12-17-1999 | Created by: | WELL CONST LOAD | Updated On: | 12-17-1999 | Updated by: | WELL PROCE | ≣SS | | | | |
| | | | | | | | | | | | | |
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| | onstruct DNSIN UI | | | NUMBEI | R | RG | 218 | 38 | | Depar | ing Water tment of | of Natur | Groundwa al Resour | ter - DG ces, Box | /5 c 792 1 | | 3300-077A |
|-------------------|----------------------|--------------|------------|--------------------------|--------------|-------------|---------|------------|-------|--|-----------------------|-----------------|-----------------------|----------------------|----------------------|------------|-----------|
| Property Owner | MIKE HA | VERKORN | CONS | ST | | | | ne # | 2 | 1. Wel | II Locat | tion | | | | Fire # (if | avail.) |
| Mailing | 1601 BR | OOKFIELD | AVE | | | | (920 |)434-398 | 3 | Village | e of HO | WARD | | | | | |
| Address | | | | | | | | | | Street Address or Road Name and Number | | | | | | | |
| City GR | EEN BAY | | | S | State WI | Zip C | ode | 54313 | | 1681 E | BROOK | FIELD A | VE | | | | |
| County | | Co. Permi | t # | Notification | # | | C | ompleted | | Subdiv | vision N | lame | | | Lo | t # E | Block # |
| Brown | | | | | | | 07 | 7-01-2003 | 3 | | | | | | 4 | | |
| Well Con | structor (Bu | ısiness Na | me) | | Lic. # F | acility I | D # (F | Public We | ells) | Latitu | de / Lor | ngitude ii | n Decimal | Degree (| (DD) | Method | Code |
| VAN DE | YACHT LE | O WELL D | RILLIN | IG INC | 6097 | | | | | | | °N | | | °W | GPS008 | 3 |
| | | | | | ١ | Vell Pla | n App | roval # | | S | E | NE | Section | Townsh | iip | Range | |
| Address | 2352 I INI | EVILLE RD | ` | | | | | | | or Gov | vt Lot # | | 3 | 24 | N | 20 | E |
| Address | | BAY WI 54 | | | <i>A</i> | Approva | I Date | (mm-dd-yy | уу) | 2. Wel | II Type | New V | Vell | | | | |
| | | | | | | | | | | of prev | vious ur | nique we | II # | CC | onstruc | cted in | |
| Hicap Pe | rmanent W | ell# | Co | ommon Wel | 1# 5 | Specific | Capa | city | | Reaso | n for re | placed c | r reconstr | ucted we | II ? | | |
| | | | | | | 1 | | | | | | | | | | | |
| 3. Well s | erves 1 | # of SHOP |) | | F | licap W | ell? | No | | 1 | | | | | | | |
| Private,po | otable | | | | F | licap Pr | operty | y? No | | | | | | | | | |
| Heat Exc | hange | # of drillho | les | | F | licap Po | otable | ? | | Consti | ruction ' | Type D | rilled | | | | |
| 4. Potent | tial Contan | nination S | ources | - ON REV | ERSE SII | DE | | | | <u> </u> | | | | | | | |
| 5. Drillho | le Dimens | ions and (| Constr | uction Met | hod | | | | 8. | Geolog | av | | | | | | |
| | From (ft.) | | | Enlarged | | | Low | er Open | _ | ology | - | . Geolog | v Type. | | | From (ft.) | To (ft.) |
| 9 | ` , | 83 | Drillho | | | | LOW | Bedrock | _ | | C | aving/No | ncaving, (| Color, | | | () |
| 6 | 83 | 182 | <u>Yes</u> | Rotary - Mud | d Circulatio | n | | <u>No</u> | | - S | | ardness, AND | etc | | - | Surface | 20 |
| | | | <u>No</u> | Rotary - Air | | | | <u>Yes</u> | | - C | - | LAY | | | - | 20 | - |
| | | | | Rotary - Air | & Foam | | | | | - C | | ARDPAI | J | | - | 75 | |
| | | | | Drill-Through | • | ammer | | | | - L | | IMESTO | | | - | 83 | |
| | | | | Reverse Rot | • | | | | | - N | | ANDSTO | | | - | 140 | |
| | | | | Cable-tool B Dual Rotary | | | | | | | | ANDOTO |) NL | | | 140 | 102 |
| | | | | Temp. Outer | | | | | | | | | | | | | |
| | | | | Removed? | _ | h ft. (If N | | | | | | | | | | | |
| | | | | explain on b | ack side) | ` | | | | | | | | | | | |
| 6. Casing | g, Liner, So | creen | | | | | | | | | Vater L | | | | 11. W | lell Is | |
| Dia. (in.) | Material, V | | | | | Fror | n (ft.) | To (ft.) | 80 | ft. belov | w grour | nd surfac | е | | 12 in. | above gr | ade |
| | Manufactu | rer & Meth | od of A | ssembly | | | | | 10. | Pump | Test | | | | Devel | loped? | Yes |
| 6 | | | | I END WEL WHEATLA | | | ırface | 83 | Pur | nping le | evel 120 | oft. belo | w surface | | Disinf | ected? | Yes |
| Dia (in) | Screen typ | | | | | _ | n (ft.) | To (ft.) | Pur | nping a | t 40 GF | M for 2 | Hrs. | | Сарр | ed? | Yes |
| Dia: (III.) | Corcon typ | o, matorial | G 0.01 | 0120 | | 1101 | () | 10 (11.) | | mping N | Method | ? | | | | | |
| 7. Grout | or Other S | ealing Ma | terial | | | | | | 12. | Notified | d Owne | r of need | I to fill & se | eal? | • | | |
| Method | | | | | | | | | | | | | | | | | |
| | ealing Mate | erial | | From (f | t.) To | (ft) # ! | Sacks | Cement | | | | | | | | | |
| DRILL SI | | Jilai | | Surfac | | 83 | Ouone | Comon | Fille | ed & Se | ealed W | 'ell(s) as | needed? | | | | No |
| DIVILL OF | -01111 | | | Curia | | | | | N/A | NPP | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 13. | Constr | uctor / S | Supervis | ory Driller | Lic # | # | Date | Signed |
| | | | | | | | | | ΤV | | | | | | | 07-0 | 1-2003 |
| | | | | | | | | | Dril | l Rig O | perator | | | Lic c | or Reg | # Date | Signed |
| | | | | | | | | | KS | | | | | | | 07-0 | 1-2003 |

| 4a. Potential Contamination Sources | Is the well loca | ited in floodpla | ain ? <u>No</u> | | |
|-------------------------------------|------------------|------------------|--------------------------------|-----------|----------|
| Туре | Qualifier | Distance | Туре | Qualifier | Distance |
| Building Overhang | | 8 | Collector Sewer - San or Storm | | 100 |
| Clearwater Sump | | 30 | Foundation Drain to Clearwater | | 10 |
| | | | Sewer - Building Sanitary | | 20 |

Comment:

Water Quality Text:

Water Quantity Text:

Difficulty Text:

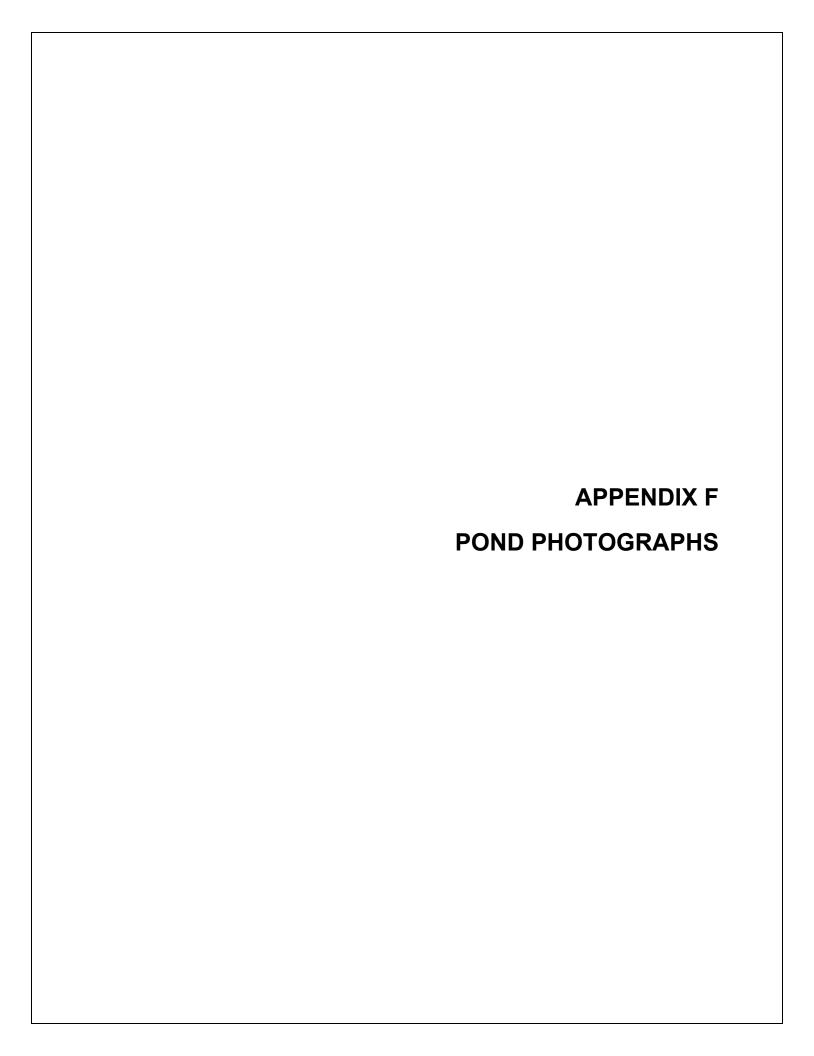
Created On: 10-08-2003 Created by: WELL CONST LOAD Updated On: 02-18-2008 Updated by: HERSHS

| | onstruct DNSIN UI | | | . NUMBE | R | WI | 442 | 2 | | Dej | par | tme | Vater and nt of Natur | Groundwa al Resour | ter - DG ces, Bo | s/5 x 792 | | 3300-077A |
|-------------------|-----------------------|--------------------------|----------------|----------------------------|-----------|-------------|---------|--------------------|-------|--------------|-------|--------|------------------------------------|-----------------------|---------------------|--------------|------------|-----------|
| Property Owner | VDY Prop | perties | | | | | | ne #)434-296 | 9 | 1. V | Nel | l Lo | cation | | | | Fire # (i | f avail.) |
| Mailing | 2352 Line | eville Rd | | | | | (===, | , | | Τον | wn | of H | OWARD | | | | | |
| Address | | | | | | | | | | Str | eet | Add | lress or Ro | ad Name a | ind Num | ber | | |
| City Gre | en Bay | | | , , | State WI | Zip Co | ode | 54313 | | BR | .00 | KFII | ELD | | | | | |
| County | | Co. Permi | t # | Notification | n # | | Co | ompleted | | Sub | bdiv | rision | n Name | | | Lo | ot # | Block # |
| Brown | | | | 25239350 | | | 03 | 3-06-2007 | 7 | | | | | | | | | |
| Well Con | structor (Bu | ısiness Naı | me) | | Lic. # | Facility ID |) # (P | ublic We | ells) | La | titud | de / | Longitude i | n Decimal | Degree | (DD) | Method | Code |
| VAN DE | YACHT LE | O WELL D | RILLIN | NG INC | 6097 | | | | | 44 | .583 | 348 | °N | -88.050 | 15 | °W | GPS00 | 6 |
| | | | | | ' | Well Plan | App | roval # | | | S | | NE | Section | Townsl | • | Range | |
| Address | 2352 LIN | EVILLE RD |) | | | | _ | | | _ | | t Lo | | 3 | 24 | N | 19 | E |
| | | BAY WI 54 | | | ' | Approval | Date | (mm-dd-yy | уу) | | | l Ty∣ | • | | | | | |
| | | | | | | | _ | | | | | | s unique we | | | | ucted in | |
| Hicap Pe | rmanent W | ell# | С | ommon We | | Specific (| Capa | city | | Rea | aso | n for | r replaced o | or reconstru | ucted we | ell? | | |
| | | | | | | 0.2 | | | | l | | | | | | | | |
| 3. Well s | erves 1 | # of test we | ell | | | Hicap We | | No | | | | | | | | | | |
| | | | | | | Hicap Pro | perty | /? No | | | | | | | | | | |
| Heat Exc | hange | # of drillho | les | | | Hicap Po | table | ? | | Cor | nstr | uctio | on Type D | rilled | | | | |
| 4. Potent | tial Contan | nination So | ource | s - ON REV | ERSE SI | DE | | | | | | | | | | | | |
| 5. Drillho | ole Dimens | ions and C | Const | ruction Met | hod | | | | 8. | Geo | olog | Jy | | | | | | |
| Dia. (in.) | From (ft.) Surface | To (ft.) | Uppe Drillh | er Enlarged ole | | | | er Open Bedrock | _ | ology des | y | | 8. Geolog Caving/No Hardness | oncaving, (| Color, | | From (ft. | To (ft.) |
| 6 | 81 | 202 | <u>Yes</u> | Rotary - Mu | | | | <u>No</u> | - | - | s | - | Sand | , 0.0 | | | Surface | 9 15 |
| | | | <u>No</u> | Rotary - Air | | | | <u>Yes</u> | - | - | С | - | Clay | | | | 15 | |
| | | | <u>No</u> | Rotary - Air | | | | <u>No</u> | - | - | Z | - | Clay & Gr | avel | | | 60 | |
| | | | <u>No</u> | Drill-Throug | _ | Hammer | | | - | - | Р | - | Hardpan | | | | 75 | 5 80 |
| | | | No No | Reverse Ro Cable-tool B | - | dia | | No | ļ- | - | L | - | Limestone | e/Dolomite | | | 80 | 85 |
| | | | <u>No</u> | Dual Rotary | | | | <u>No</u> | - | - | N | - | Sandston | е | | | 8 | 5 90 |
| | | | <u>No</u> | Temp. Oute | | | | | - | - | L | - | Limestone | e/Dolomite | | | 90 | 150 |
| | | | No | • | ?dep | | | | - | - | N | - | Sandston | е | | | 150 | 202 |
| | | | | explain on b | ack side) | ` | | | | | | | | | | | | ' |
| 6. Casing | g, Liner, So | reen | | | | | | | 9. | Stati | ic V | /ate | r Level | | | 11. V | Well Is | |
| Dia. (in.) | Material, V | | | | | From | n (ft.) | To (ft.) | 60 | ft. be | elov | v gro | ound surfac | е | | 12 in | n. above g | rade |
| | Manufactu | rer & Metho | od of A | Assembly | | | | | 10. | Pur | mp | Tes | t | | | Deve | eloped? | Yes |
| 6 | | steel plain wheatland | | velded astm | a 53b 18 | 3 Sur | face | 81 | Pui | mpin | g le | vel | 120 ft. belo | w surface | | Disir | nfected? | Yes |
| Dia. (in.) | Screen typ | | • | t size | | From | n (ft.) | To (ft.) | Pui | mpin | g a | t 10 | GP M for 2 | Hrs. | | Cap | ped? | Yes |
| J.a. () | 00.00 | , | 0.0.0 | . 0.20 | | | . () | () | Pu | mpin | ng M | 1eth | od ? | | | | | |
| 7. Grout | or Other S | ealing Mat | erial | | | | | | 12. | Noti | ified | Ow | ner of nee | d to fill & se | eal? | - | | |
| Method | | 3 | | | | | | | | | | | | | | | | |
| Kind of S | ealing Mate | erial | | From (| ft.) To | (ft.) # S | Sacks | Cement | Fille | 2 he | Se | aled | l Well(s) as | needed? | | | | No |
| Drill Slurr | У | | | Surfa | ce | 81 | | | n/a | | | aioa | 1 11011(0) 40 | nocaca. | | | | 110 |
| | | | | | | | | | "/" | ı | | | | | | | | |
| | | | | | | | | | 13. | Con | nstru | ıctoı | r / Supervis | ory Driller | Lic | # | Date | e Signed |
| | | | | | | | | | TL۱ | | | | | - | | | | 3-2007 |
| | | | | | | | | | _ | l Rig | ı Or | erat | tor | | Lic | or Reg | | Signed |
| 1 | | | | | | | | | SC | 9 | , -1 | | | | | | | 3-2007 |

| 4a. Potential | Contamination S | ources | Is the well located in floo | dplain ? <u>No</u> | | | |
|----------------|-----------------|-------------|-----------------------------|--------------------|------------|-------------|--------------|
| Comment: | | | | | | | |
| Water Qualit | y Text: | | | | | | |
| Water Quant | tity Text: | | | | | | |
| Difficulty Tex | rt: | | | | | | |
| Created On: | 04-05-2007 | Created by: | WELL CONST LOAD | Updated On: | 04-05-2007 | Updated by: | WELL PROCESS |
| | | | | | | | |
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| Well Construct WISCONSIN U | | | Ē R | ZT | 298 | 8 | | Depart | ng Water and ment of Natur on WI 53707 | | | | Form 3 | 300-077A |
|----------------------------|------------------------------|--------------|--------------|-------------|---------|------------|-------|----------|--|----------------|------------|-----------|-----------|----------|
| Property RON SIN | ICLAIR CONS | TRUCTION | | | Pho | ne# | | 1. Well | Location | | | F | ire # (if | avail.) |
| 3 | LLOW JASMIN | IE WAY | | | | | | Town | of HOWARD | | | | | |
| Address | | | | | | | | Street | Address or Ro | ad Name a | nd Numb | er | | |
| City GREEN BAY | | | State WI | Zip C | ode | 54313 | | BROO | KFIELD | | | | | |
| County | Co. Permit # | Notificatio | n # | | Co | ompleted | | Subdiv | ision Name | | | Lot # | В | lock # |
| Brown | | 74448050 | 004 | | 11 | -15-2018 | 3 | | | | | | | |
| Well Constructor (B | usiness Name |) | Lic. # | Facility II | D # (P | ublic We | lls) | Latitud | le / Longitude | in Decimal | Degree (I | DD) N | 1ethod (| Code |
| VAN DE YACHT LE | O WELL DRIL | LING INC | 6097 | | | | | 44.587 | 76 °N | -88.058 | 5 | °W (| SPS008 | |
| | | | | Well Plar | n App | roval # | | S۱ | V NE | Section | Townshi | р | Range | |
| Address 1267 LA | KEVIEW DR | | | | | | | or Gov | | 3 | 24 | N | 20 | Е |
| | BAY WI 5431 | 3 | | Approval | Date | (mm-dd-yy | yy) | 2. Well | Type New ' | Well | | | | |
| | | | | | | | | of prev | ious unique we | ell# | СО | nstructe | d in | |
| Hicap Permanent W | /ell # | Common W | ell# | Specific (| Capa | city | | Reason | n for replaced | or reconstru | ucted well | ? | | |
| | | | | 0.4 | | | | | | | | | | |
| 3. Well serves 1 | # of BUILDING | 3 | | Hicap We | ell? | No | | | | | | | | |
| Private,potable | | | | Hicap Pro | operty | /? No | | | | | | | | |
| Heat Exchange | _# of drillholes | | | Hicap Po | table | ? No | | Constr | uction Type D | Drilled | | | | |
| 4. Potential Contar | mination Sour | ces - ON RE | VERSE SI | DE | | | | | | | | | | |
| 5. Drillhole Dimens | sions and Cor | struction Me | ethod | | | | 8. | Geolog | у | | | | | |
| Dia. (in.) From (ft.) | | per Enlarged | | | Low | er Open | | ology | 8. Geolog | | | Fr | om (ft.) | To (ft.) |
| 9 Surface | 83 Dr | illhole | | | | Bedrock | Cod | les | Caving/N Hardness | oncaving, C | Color, | | | |
| 6 83 | | · | ud Circulati | | | <u>No</u> | | S | S-SAND | | | 5 | Surface | 15 |
| | <u>Nc</u> | · | r | | | <u>Yes</u> | | С | C-CLAY | • | | | 15 | 70 |
| | No. | | r & Foam | | | <u>No</u> | | Р | P-HARD | PAN | | | 70 | 83 |
| | No. | | gh Casing I | ⊣ammer | | | | L | L-LIMES | STONE/DO | LOMITE | | 83 | 140 |
| | No No | | Bitin. | dia | | No | | N | N-SAND | STONE | | | 140 | 182 |
| | No. | | y | | | No. | | | | | | | | |
| | No. | - | er Casing _ | | | 110 | | | | | | | | |
| | No. | _ | d?dep | | | | | | | | | | | |
| | | explain on | back side) | | | | | | | | | | | |
| 6. Casing, Liner, S | creen | | | | | | | | ater Level | | | 11. Wel | | |
| Dia. (in.) Material, \ | Neight, Specifiurer & Method | | | Fron | n (ft.) | To (ft.) | | | ground surfac | ce | | 12 in. al | Ū | |
| | CK STEEL PL | | LDED | Su. | rface | 02 | | Pump ' | | | | Develop | | Yes |
| | 3B 18 97# PE | | | Su | nace | 03 | | | vel 100 ft. belo | | | Disinfec | | Yes |
| Dia. (in.) Screen type | pe, material & | slot size | | Fron | n (ft.) | To (ft.) | | | 40 GP M for 2 | | | Capped | ? | Yes |
| | | | | | | | | | lethod? Airlif | | | | | |
| 7. Grout or Other S | Sealing Materi | al | | | | | 12. | Notified | Owner of nee | d to fill & se | eal? | | | No |
| Method | | | | | | | | | | | | | | |
| Kind of Sealing Mat | erial | From | (ft.) To | (ft.) # S | Sacks | Cement | Fillo | 4 6 60 | | noodod2 | | | | No |
| DRILLING MUD & 0 | CUTTINGS | Surf | ace | 83 | | | rille | u a se | aled Well(s) as | needed? | | | | NO |
| | | | | | | | | | | | | | | |
| | | | | | | | 13. | Constru | ictor / Supervis | sory Driller | Lic # | : | Date | Signed |
| | | | | | | | TLV | , | | | 6378 | 3 | 11-16 | 5-2018 |
| | | | | | | | Drill | Rig Op | erator | | Lic o | r Reg # | Date | Signed |
| | | | | | | | | | | | | | | |

| 4a. Potential | Contamination | Sources | Is the well located in floodplain ? No | | | | | | | | | | |
|----------------|---------------|-------------|--|-----------------|--------------|-------------|------------|----------|--|--|--|--|--|
| | | | | Туре | | | Qualifier | Distance | | | | | |
| | | | | Septic or Holdi | ng, or POWTS | S Tank | = | 35 | | | | | |
| Comment: | | | | | | | | | | | | | |
| Water Quality | y Text: | | | | | | | | | | | | |
| Water Quant | ity Text: | | | | | | | | | | | | |
| Difficulty Tex | t: | | | | | | | | | | | | |
| Created On: | 11-16-2018 | Created by: | EVANDEYACHT | Updated On: 1 | 1-28-2018 | Updated by: | WELL PROCE | ESS | | | | | |
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PHOTOGRAPH OF FOUNDATION DRAIN AREA AND SWALE EAST OF OFFICE/PLANT/LAB BUILDING VIEWING WEST



PHOTOGRAPH OF DRAINAGE SWALE EXTENDING SOUTHEAST TOWARD POND

Page 1 of 4



PHOTOGRAPH OF POND AND DRIANAGE SWALE OUTLET TO THE POND VIEWING SOUTHEAST



PHOTOGRAPH OF HIGHWATER POND OUTFALL AND DRAINAGE SWALE WITH OVERGROWN VEGETATION ALONG SOUTHERN BOUNDARY OF THE SITE



PHOTOGRAPH OF DITCH LINE EXTENDING SOUTH FROM THE SITE AND WATER DETENTION POND ON THE SOUTHERN ADJOINING PROPERTY



PHOTOGRAPH OF DITCH LINE ON ALONG WEST END OF SITE VIEWING NORTH
Page 3 of 4



PHOTOGRAPH OF DITCH LINE EXTENDING NORTH FROM THE SITE TOWARD NORTHERN ADJOINING PROPERTY