Northern Lake Service, Inc • 400 N Lake Ave • Crandon, WI 54520
800-278-1254 • www.nlslab.com

February 26, 2025

Mark Pauli
Wisconsin Dept of Natural Res - Madison
107 Sutliff Ave
Rhinelander, WI 54501

Project: 2024/2025 Starks-Stella (Sunset Lake Phase)
Project Number: Helen Kuczmarski - 3540 County Hwy C
Work Order: CD01838
Received: 02/19/25

Enclosed are the results of analyses for samples received by our laboratory on 2/19/2025. If you have any questions concerning this report, please feel free to contact a client service representative at clientservices@nlslab.com.

Sincerely,

Steven M. Hefter For Client Services
Northern Lake Service, Inc.

Wisconsin Dept of Natural Res - Madison	Project: 2024/2025 Starks-Stella (Sunset Lake Phase)		
107 Sutliff Ave	Project Number: Helen Kuczmarski - 3540 County Hwy C	**Reported:**	**Work Order:**
Rhinelander, WI 54501	Project Manager: Mark Pauli	2/26/25 18:04	CD01838

Sample Summary

Descriptions of all qualifiers listed throughout this report can be found on the Qualifiers and Definitions Page.

Lab ID	Sample	Matrix	Qualifiers	Date Sampled	Date Received
CD01838-01	Kitchen Sink	DW		2/19/25 11:30	2/19/25 12:11
CD01838-02	Kitchen Sink Field Blank	DW		2/19/25 11:30	2/19/25 12:11

Analysis Qualifiers:

LabNumber	Analysis	Qualifier
CD01838-01	537.1 Perfluorinated Chemicals by LC/MS/MS	FBNA1

Cancelled Tests:

Lab ID	Sample	Analysis	Cancelled	Initials
CD01838-02	Kitchen Sink Field Blank	Perfluorinated Chemicals by EPA Method 537.1 FB	2/25/25 13:13	CSC

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Sample Results

Sample: Kitchen Sink

CD01838-01 (DW) Sampled: 02/19/25 11:30

Analyte	Result	Qualifier	LOD	LOQ	MCL	Units	Date Prepared	Date Analyzed	Analyst	Method	Lab Cert Code
Semi-Volatiles											
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.30	1.0		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.46	1.5		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.40	1.3		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
hexafluoropropylene oxide dimer acid (HFPO DA)	ND		0.91	3.0		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	5.7		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
n-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	6.3		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorobutanesulfonic acid (PFBS)	ND		0.71	2.4		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorodecanoic acid (PFDA)	ND		0.53	1.8		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorododecanoic acid (PFDoA)	ND		0.61	2.0		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroheptanoic acid (PFHpA)	ND		0.53	1.8		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanoic acid (PFHxA)	ND		0.55	1.8		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorohexanesulfonic acid (PFHxS)	ND		0.62	2.1		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorononanoic acid (PFNA)	ND		0.51	1.7		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanoic acid (PFOA)	ND		0.46	1.5		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorooctanesulfonic acid (PFOS)	ND		0.47	1.6		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotetradecanoic acid (PFTA)	ND		0.53	1.8		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluorotridecanoic acid (PFTrDA)	ND		0.53	1.8		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
perfluoroundecanoic acid (PFUnA)	ND		0.51	1.7		ng/L	2/24/25 7:06	2/24/25 19:15	RAW	EPA 537.1, Rev 2.0	2
Surrogate: (SURR) C13-PFHxA	*89%*		*Limits: 70-130%*				*2/24/25 7:06*	*2/24/25 19:15*	*RAW*	*EPA 537.1, Rev 2.0*	2
Surrogate: (SURR) C13-HFPODA	*81%*		*Limits: 70-130%*				*2/24/25 7:06*	*2/24/25 19:15*	*RAW*	*EPA 537.1, Rev 2.0*	2
Surrogate: (SURR) C13-PFDA	*90%*		*Limits: 70-130%*				*2/24/25 7:06*	*2/24/25 19:15*	*RAW*	*EPA 537.1, Rev 2.0*	2
Surrogate: (SURR) d5-NEtFOSAA	*83%*		*Limits: 70-130%*				*2/24/25 7:06*	*2/24/25 19:15*	*RAW*	*EPA 537.1, Rev 2.0*	2

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Rhinelander, WI 54501	Project Manager: Mark Pauli	2/26/25 18:04	CD01838

List of Certifications

Code	Description	Number	Expires
2	NLS (Crandon) WDNR Laboratory ID No.	721026460	8/31/25

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Qualifiers and Definitions

Item	Definition
FBNA1	The field sample had no detects at or greater than the minimum reporting limit of 2.0 ng/L, per method requirements the corresponding field reagent blank was not required to be analyzed.
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: (mg/kg dry) / 10000.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.

All LOD/LOQs adjusted to reflect preparation volumes, dilutions, and/or solids content.

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Sample Collection Record

Town of Stella-Starks Expanded PFAS (537.1) Sampling Project

Return your sample no later than 2 days after collection to:

Northern Lake Service
400 N Lake Ave
Crandon, WI 54520

Please provide the following information:

Name: Helen Kuczmarski

Address: 3540 Coc

City/State/Zip: Rhinelander, WI 54501

Phone: 715 893 9769

Sample Collection Date: 2-19-25 Sample Collection Time: 11:30 AM/PM

Sample Collection Location (ex. Kitchen Sink): Kitchen Sink

Sample Collected By (Signature): Helen Kuczmarski

Per EPA 537.1, each sample set **must be accompanied by a field blank. The purpose of the field blank is to allow for the identification of potential contamination during sample collection and handling.

Final results will be reported directly to the Wisconsin DNR. WDNR will review, interpret, and inform residents of further action. **DO NOT CONTACT NORTHERN LAKE SEVICE DIRECTLY FOR SAMPLE RESULTS.**

CD01838

Laboratory use only:

Received at NLS by (Signature): Date/Time: 12:11 2/19/25

Method of Delivery: hand deliver Condition (on ice / no ice) Ice

Receiving Temperature (°C) 18.1 Thermometer # 10

Cooling

Trigma lot # verified

Private Residential Well PFAS Sampling Instructions

- Because PFAS are used to make products resistant to stains, grease, and water, they are prevalent in several items we use daily. To reduce potential contamination during sampling, it is recommended to avoid using personal care products such as cosmetics, moisturizers, deodorants, or other related products while sampling for PFAS.

Sampling Steps:

Reminder - Do not dump/flush out any preservatives that may be present in your sampling containers. These are crucial for testing purposes.

Reminder - 4 Cryopak Ice-Paks – TO BE FROZEN PRIOR TO COLLECTION / SHIPMENT

1. Choose a spot away from the sampling location to fill out all associated paperwork and bottle labels, using a ballpoint pen. Make sure the sample bottles and associated paperwork are clearly labeled with sample collection location, date, and time.

2. Wash hands with soap and water and put on the nitrile gloves provided in the sampling kit.

3. Bypass/avoid all treatment that may be in place in the residence. This includes filtration systems, water softeners, etc. It is recommended to collect the water sample from the kitchen faucet. Remove the screen from the faucet and flush for 5 minutes using only cold water.

- **Field Blank Collection/Transfer** - remove cap from the container containing water labeled "FB-537.1-A". Remove cap from the container labeled "FB-537.1-B" **without setting the cap down**. Pour contents of "FB-537.1-A" into "FB-537.1-B" container and replace cap. Ensure that "FB-537.1-B" is returned along with the tap water samples from the residence. Discard empty "FB-537.1-A" container after transfer.

4. **Sample Collection** - After sample tap has been flushed with cold water for five minutes, reduce the water flow to a pencil stream width to prevent overfilling. Remove the cap from one of the sample containers **without setting the cap down**. Fill bottle up to the neck (do not overfill) and replace the lid on the sample container. Tightly cap and invert sample 4-5 times until the preservative dissolves. Repeat this process with the second sample container. (Repeat process with 3rd and 4th bottle if included in your kit).

5. Prepare to get samples to the lab:

- Place the sample containers and FB-537.1-B (field blank) into the Ziplock bag they were received in. Place this bag into the cooler.
- Place 4 **frozen** Cryopak Ice-Paks and leave temperature blank bottle in cooler.
- Place completed paperwork back into Ziplock bag it was received in and place in the cooler.
- Samples can be delivered in-person to Northern Lake Service in Crandon.
- Alternately, secure the cooler with tape and ship it back to Northern Lake Service using the pre-paid SpeeDee return label. **Do not ship on Fridays.**

Spee Dee Delivery EZR
Request for Pick-Up

Pick-up Information:

SHIPMENTS RECEIVED ARE SUBJECT TO SPEE DEE RATES AND RULES AS PUBLISHED AT WWW.SPEEDEEDELIVERY.COM

Requested Pick-up Date _____

Phone Number _____

Name of Business _____

Contact Person _____

Pick-up Location:
Street Address _____

City _____ State _____ Zip Code _____

Special Pick-up Instructions _____

Return Information:

Name of Business Northern Lake Service, Inc.

City Crandon State WI Zip Code 54520

EMAIL: EZR@speedeedelivery.com
-OR-
FAX: (320) 251-0168

Please make sure packages are ready. The driver will only make one attempt to pick-up. Pick-up fees will be applied if the packages are not ready.

Northern Lake Service Inc.
ENVIRONMENTAL ANALYTICAL LABORATORY

Town of Stella-Starks Expanded PFAS (EPA 537.1) Sampling Project

READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH SAMPLE COLLECTION

Kit includes:

- **4 Cryopak Ice-Paks – TO BE FROZEN PRIOR TO SAMPLE COLLECTION / SHIPMENT**
- **1 Temperature Blank Bottle – Do not open and leave in cooler**
- **1 Pair of Nitrile Gloves**
- **Collection Bottles for Drinking Water Sample**
    - 2 x 250 mL sample bottles with Trizma preservative – DO NOT FLUSH OUT PRESERVATIVES

      NOTE: Your kit may include 4 sample bottles. This is extra volume for quality control purposes at the laboratory – fill all bottles.
- **Field Blank**
    - 1 x 250 mL non-preserved sample bottle (FB-537.1-A) – filled with PFAS free reagent water
    - 1 x 250 mL sample bottle with Trizma preservative (FB-537.1-B) - DO NOT FLUSH OUT PRESERVATIVES

***Sampling video available on our website at www.nlslab.com under support material**

Do not dump/flush out any preservatives that may be present in your sampling containers. These are crucial for testing purposes.

Always use caution when handling any sample container with preservatives and wash thoroughly with soap and water if preservatives contact skin.

Follow the return shipping instructions to ensure kit is shipped back to the lab properly:

- Fill out the required information on the *Sample Collection Record*
- Label your sample bottles with date/time of collection and sample collection location.
- Samples are accepted 7:00 am to 4:00 pm Monday – Friday. Samples MUST arrive at the laboratory no longer than 2 days from the time of collection. Do not ship on Friday.
- If you have any questions regarding this sampling kit, please call our Client Service Department at 800-278-1254 and reference the *Town of Stella-Starks Expanded PFAS (537.1) Sampling Project.*