



Date Submitted: 4/27/2023

## Water Use Efficiency Annual Performance Report - 2022

WS Name: SUNWOOD LAKES HOMEOWNERS ASSOC INC

Water System ID# : 86304                      WS County: THURSTON

Report submitted by: *Stephanie Yount*

### Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 12/01/2021 To 12/01/2022

Incomplete or missing data for the year? No

If yes, explain:

<b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons	21,134,381	gallons
<b>Authorized Consumption (AC)</b> – Annual Volume in gallons	20,194,879	gallons
Distribution System Leakage – Annual Volume TP – AC	939,502	gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	4.4	%
3-year annual average - %	20.3	%                      2020, 2021, 2022

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 06/10/2011

Has goal been changed since last performance report? No

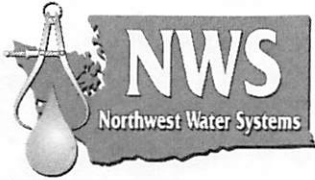
*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

*Install meters on every connection and track water use to establish water reduction goals by 2016.*

### Customer (Demand Side) Goal Progress:

### Additional Information Regarding Supply and Demand Side WUE Efforts



Northwest Water Systems  
360-876-0958

Planning- Management- Engineering  
PO Box 123  
Port Orchard, WA 98366

Office Hours:  
8am – 4pm



A division of Northwest Water Systems  
360-779-9335  
[www.duckworthpump.com](http://www.duckworthpump.com)

Water System Contact,

Attached is your 2023 Water Quality Monitoring Schedule for your records. The information on this monitoring schedule is valid as of the date in the upper left corner on the first page. The information is subject to change and there is often a lag time between when the sample is collected and when it is updated on this report.

You can view this updated report at any time by going to:  
<https://www.nwwatersystems.com/resourceeducation>

Respectfully,

Harmony King  
Northwest Water Systems, Inc.  
Office: 360-876-0958 Ext 102  
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Toll free: 1-888-881-0958  
[harmony@nwwatersystems.com](mailto:harmony@nwwatersystems.com)





# Water Quality Monitoring Schedule

System: **SUNWOOD LAKES HOMEOWNERS ASSOC INC**

Contact: Kevin R Odegard

SMA ID: 119

PWS ID: 86304 3

Group: A - Comm

SMA Name: Northwest Water Systems, Inc.

Region: SOUTHWEST

County: THURSTON

**NOTE:** To receive credit for compliance samples, you must fill out laboratory and sample paperwork completely, send your samples to a laboratory accredited by Washington State to conduct the analyses, AND ensure the results are submitted to DOH Office of Drinking Water. There is often a lag time between when you collect your sample, when we credit your system with meeting the monitoring requirement, and when we generate the new monitoring requirement.

## Coliform Monitoring Requirements

	Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024
<b>Coliform Monitoring Population</b>	925	925	925	925	925	925	925	925	925	925	925	925
<b>Number of Routine Samples Required</b>	1	1	1	1	1	1	1	1	1	1	1	1

- Collect samples from representative points throughout the distribution system.
- Collect required repeat samples following an unsatisfactory sample. In addition, collect a sample from each operating groundwater source.
- For systems that chlorinate, record chlorine residual (measured when the coliform sample is collected) on the coliform lab slip.

## Chemical Monitoring Requirements

### Distribution Monitoring

<u>Test Panel/Analyte</u>	<u># Samples Required</u>	<u>Compliance Period</u>	<u>Frequency</u>	<u>Last Sample Date</u>	<u>Next Sample Due</u>
Lead and Copper	10	Jan 2022 - Dec 2024	standard - 3 year	09/28/2021	Sep 2024
Asbestos	1	Jan 2020 - Dec 2028	standard - 9 year	11/28/2018	Sep 2027

### Notes on Distribution System Chemical Monitoring

- For *Lead and Copper*:
- Collect samples from the COLD WATER side of a KITCHEN or BATHROOM faucet that is used daily.
  - Before sampling, make sure the water has sat unused in the pipes for at least 6 hours, but no more than 12 hours (e.g. overnight).
  - If you are sampling from a faucet that has hot water, make sure cold water is the last water to run through the faucet before it sits overnight.
  - If your sampling frequency is annual or every 3 years, collect samples between June 1 and September 30.

For *Asbestos*: Collect the sample from one of your routine coliform sampling sites in an area of your distribution system that has asbestos concrete pipe.

## Water Quality Monitoring Schedule

### Source Monitoring

- Collect 'source' chemical monitoring samples from a tap after all treatment (if any), but before entering the distribution system.
- Washington State grants monitoring waivers for various test panels /analytes. Please note that we may require some monitoring as a condition of some waivers. We have granted complete waivers for dioxin, endothal, glyphosate, diquat, and insecticides.
- Nitrate, arsenic, iron, and other individual inorganics are included as part of a Complete Inorganic (IOC) analysis when it is collected.

Source S06	WF -S02/S05	Well Field	Use - Permanent	Susceptibility - Moderate	
<u>Test Panel/Analyte</u>	<u># Samples Required</u>	<u>Compliance Period</u>	<u>Frequency</u>	<u>Last Sample Date</u>	<u>Next Sample Due</u>
Nitrate	1	Jan 2023 - Dec 2023	standard - 1 year	07/26/2022	<b>Sep 2023</b>
Complete Inorganic (IOC)	1	Jan 2020 - Dec 2028	waiver - 9 year	07/08/2019	Jul 2028
Manganese	1	Jan 2023 - Dec 2025	standard - 3 year	09/23/2022	Sep 2025
Volatile Organics (VOC)	1	Jan 2023 - Dec 2028	waiver - 6 year	06/30/2020	Jun 2026
Herbicides	1	Jan 2017 - Dec 2025	waiver - 9 year	06/30/2020	
Pesticides	0	Jan 2023 - Dec 2025	waiver - 3 year	09/08/2010	
PFAS	0	Jan 2023 - Dec 2025	standard - 3 year	07/27/2022	
Soil Fumigants	1	Jan 2023 - Dec 2025	standard - 3 year	10/25/2022	Oct 2025
Gross Alpha	1	Jan 2020 - Dec 2025	standard - 6 year	06/30/2020	
Radium 228	1	Jan 2020 - Dec 2025	standard - 6 year	06/30/2020	



## Water Quality Monitoring Schedule

### Other Information

<b>Other Reporting Schedules</b>	<b>Due Date</b>
Submit Consumer Confidence Report (CCR) to customers and ODW (Community systems only):	07/01/2023
Submit CCR certification form to ODW (Community systems only):	10/01/2023
Submit Water Use Efficiency report online to ODW and to customers (Community and other municipal water systems only):	07/01/2023
Send notices of lead and copper sample results to the customers sampled:	30 days after you receive the laboratory results
Submit Certification of customer notification of lead and copper results to ODW:	90 days after you notify customers

### Special Notes

None

### Southwest Regional Water Quality Monitoring Contacts

For questions regarding chemical monitoring:	Sophia Petro: (564) 669-0856 or <a href="mailto:sophia.petro@doh.wa.gov">sophia.petro@doh.wa.gov</a>
For questions regarding DBPs:	Regina Grimm, p.e.: (360) 236-3035 or <a href="mailto:regina.grimm@doh.wa.gov">regina.grimm@doh.wa.gov</a>
For questions regarding coliform bacteria and microbial issues:	Southwest Office: (360) 236-3030 or <a href="mailto:SWRO.Coli@doh.wa.gov">SWRO.Coli@doh.wa.gov</a>

### Additional Notes

The information on this monitoring schedule is valid as of the date in the upper left corner on the first page. However, the information may change with subsequent updates in our water quality monitoring database as we receive new data or revise monitoring schedules. There is often a lag time between when you collect your sample and when we credit your system with meeting the monitoring requirement.

We have not designed this monitoring schedule to display all compliance requirements. The purpose of this schedule is to assist water systems with planning for most water quality monitoring, and to allow systems to compare their records with DOH ODW records. Please be aware that this monitoring schedule does not include constituents that require a special monitoring frequency, such as monitoring affiliated with treatment.

Any inaccuracies on this schedule will not relieve the water system owner and operator of the requirement to comply with applicable regulations.

If you have any questions about your monitoring requirements, please contact the regional office staff listed above.