



Date Submitted: 5/11/2023

## Water Use Efficiency Annual Performance Report - 2022

WS Name: TREASURE ISLAND COUNTRY CLUB  
Water System ID#: 89150 WS County: MASON  
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 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	13,736,372 gallons
Authorized Consumption (AC) – Annual Volume in gallons	12,077,488 gallons
Distribution System Leakage – Annual Volume TP – AC	1,658,884 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	12.1 %
3-year annual average - %	8.6 % 2020, 2021, 2022

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 04/01/2021

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):

*Reduce total water consumption by 2% from 2017 to 2023. Obtain and maintain a Distribution System Leakage(DSL) amount equal to or less than 10% from period 2017 to 2023. Work with customers to identify and repair customer leaks.*

### 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  
Fax: 360-876-4196  
Toll free: 1-888-881-0958  
[harmony@nwwatersystems.com](mailto:harmony@nwwatersystems.com)





# Water Quality Monitoring Schedule

System: **TREASURE ISLAND COUNTRY CLUB**  
 Contact: Kevin R Odegard  
 SMA ID: 119

PWS ID: 89150 8  
 Group: A - Comm  
 SMA Name: Northwest Water Systems, Inc.

Region: SOUTHWEST  
 County: MASON

**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>	121	121	315	321	315	315	321	121	121	121	121	121
<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	5	Jan 2022 - Dec 2024	standard - 3 year	07/28/2021	Jul 2024
Asbestos	1	Jan 2020 - Dec 2028	standard - 9 year	03/29/2019	Mar 2028

### 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 S01	WELL #1 BBN072	Well	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		05/26/2022	<b>May 2023</b>
Complete Inorganic (IOC)	1	Jan 2020 - Dec 2028	waiver - 9 year		05/22/2019	May 2028
Volatile Organics (VOC)	1	Jan 2020 - Dec 2025	waiver - 6 year		09/14/2022	
Herbicides	1	Jan 2023 - Dec 2031	waiver - 9 year		09/25/2019	Sep 2028
Pesticides	0	Jan 2023 - Dec 2025	waiver - 3 year		09/21/2010	
PFAS	0	Jan 2023 - Dec 2025	standard - 3 year		03/16/2022	
Soil Fumigants	0	Jan 2023 - Dec 2025	waiver - 3 year			
Gross Alpha	1	Jan 2020 - Dec 2025	standard - 6 year		10/26/2021	
Radium 228	1	Jan 2020 - Dec 2025	standard - 6 year		10/26/2021	

Source S02	WELL #2 BBN073	Well	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		05/26/2022	<b>May 2023</b>
Complete Inorganic (IOC)	1	Jan 2020 - Dec 2028	waiver - 9 year		05/22/2019	May 2028
Volatile Organics (VOC)	1	Jan 2020 - Dec 2025	waiver - 6 year		09/09/2022	
Herbicides	1	Jan 2023 - Dec 2031	waiver - 9 year		09/24/2019	Sep 2028
Pesticides	0	Jan 2023 - Dec 2025	waiver - 3 year		09/21/2010	
PFAS	0	Jan 2023 - Dec 2025	standard - 3 year		03/16/2022	
Soil Fumigants	0	Jan 2023 - Dec 2025	waiver - 3 year			
Gross Alpha	1	Jan 2020 - Dec 2025	standard - 6 year		10/26/2021	
Radium 228	1	Jan 2020 - Dec 2025	standard - 6 year		10/26/2021	

## 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 S03	WELL #3 BBN074	Well	Use - Permanent	Susceptibility - Low	
<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	05/26/2022	<b>May 2023</b>
Complete Inorganic (IOC)	1	Jan 2020 - Dec 2028	waiver - 9 year	05/22/2019	May 2028
Volatile Organics (VOC)	1	Jan 2020 - Dec 2025	waiver - 6 year	09/09/2022	
Herbicides	1	Jan 2023 - Dec 2031	waiver - 9 year	09/24/2019	Sep 2028
Pesticides	0	Jan 2023 - Dec 2025	waiver - 3 year	09/21/2010	
PFAS	0	Jan 2023 - Dec 2025	standard - 3 year	03/16/2022	
Soil Fumigants	0	Jan 2023 - Dec 2025	waiver - 3 year		
Gross Alpha	1	Jan 2020 - Dec 2025	standard - 6 year	10/26/2021	
Radium 228	1	Jan 2020 - Dec 2025	standard - 6 year	10/26/2021	



# 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

<b>Special Notes</b>
None

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

## 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.