LLHD
Ledge Light Health District

App No._____
Check No._____
Receipt No. _____

REVIEW FEE: $100
Make check to LLHD or pay online at www.LLHD.org

Promoting healthy communities

Application for Water Treatment Wastewater (WTW) Disposal System

Note: Please include the following with your application:

1. *A scaled site plan of the property showing existing buildings, septic system, water wells within 75ft, and proposed location for WTW disposal system.*
2. *Soil testing information, if available.*

Date: _____ Property Address: _____ Town: _____

Property Owner: _____ Phone: _____

WTW Disposal System Installer: _____ Phone: _____

Installer Address:_____

Applicant email: _____

Type of Water Treatment Device (type, name, model, discharge volume and frequency): _____

_____

Disposal system proposed (type of leaching unit, total length, holding tank if applicable): _____

_____

Site conditions (depth to GW, depth to ledge): _____

Site conditions determined by: _____Date: _____

Additional Information (exceptions requested, special conditions):

_____

_____

_____

Applicant Signature: _____

☐ **Approved** ☐ **Denied** **Signed:** _____ (RS or DOH) **Date:** _____

NOTES:

1. **Please use attached sheet to provide a site sketch showing the proposed system**
2. **Inspection of installation required by LLHD, please provide 24hr notice.**
3. **Installer shall provide an asbuilt drawing to LLHD after installation.**

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Please provide a sketch of the proposed WTW disposal system location. Include the following items:

1. **House and driveway**
2. **Well**
3. **Septic System (tank and leaching)**
4. **WTW Disposal System**
5. **North Arrow**
6. **Distances between items 1 -4.**

Appendix A. Additional Guidelines

1. *Types of WTW that may be allowed to discharge to a septic system:*

   WTW from the following (alone) are permitted to discharge to a septic system: calcite filter, granular activated carbon filter, or a Point of Use (POU) reverse osmosis unit.

2. *Volume limits for discharges of the above to a septic system:*

   Single-family residential buildings: Less than 150 gallons per backwash cycle, and not to exceed a daily average of 50 GPD.

   Other buildings: Less than 150 gallons per backwash cycle or less than 10 percent of the building's SSDS daily design flow, whichever is greater. Additionally, discharges cannot exceed a daily average of 50 GPD or 2 percent of the buildings SSDS daily design flow, whichever is greater.

3. *Requirements for septic system receiving WTW discharges defined in 1. above:*

   Septic tanks must have two compartments, an effluent filter, and be properly sized for the daily design flow of the building. Single compartment tanks can remain only if receiving WTW from a POU reverse osmosis unit that discharges less than 50 GPD. Septic tanks must have been cleaned and inspected within three years with no reported signs of malfunctioning.

   Leaching systems must provide at least 50 percent of the required ELA and be in good operating condition with no signs of malfunction or at risk of hydraulically overloading the receiving soil.

   Proprietary Leaching Systems companies may not support the discharge of WTW into their SSDS products. Therefore the applicant should consult with the proprietary company to determine if use of their leaching system product is suitable with WTW discharge.

(Reference: Technical Standards 2018 - APPENDIX E: WATER TREATMENT WASTEWATER DISCHARGES TO SSDSs)

Appendix B. Volume Provided by Various Structures – Examples

Infiltrator

Standard Quick4 Infiltrator (12")	43 Gal/unit
Hi Cap Quick4	62 Gal/unit
Quick4 Plus Standard (8")	47 Gal/unit
Quick4 Plus HI Cap (12")	54 Gal/unit

Stone Trench

¾" – 1 ¼" stone trench 3'w x 1'h	9 Gal/linear ft
¾" – 1 ¼" stone trench 4'w x 1'h	12 Gal/linear ft
¾" – 1 ¼" stone trench 3'w x 2'h	18 Gal/linear ft
¾" – 1 ¼" stone trench 4'w x 2'h	24 Gal/linear ft

Drywells

Drywell (6' diameter)	178 Gal/vertical ft
e.g., Drywell (6' diam x 4'h)	637 Gal (below inlet)