

**Alternative Onsite Wastewater System
Notice of Installation, Operation, and Maintenance**

Address of Property: 2100 W. 3000 So. Heber Serial Number: OQ4-0603-A-013-644

Legal Description *(attach if necessary)*:

Ent 476577 Bk 1288 Pg 1400-1403
Date: 08-APR-2020 3:27:25PM
Fee: \$40.00 Check Filed By: TC
PEGGY FOY SULSER, Recorder
WASATCH COUNTY CORPORATION
For: WEATHERVANE DEVELOPMENT LLC

This property has an Alternative Onsite Wastewater System installed for wastewater disposal.

The type of alternative onsite wastewater system installed is *(please check)*:

- At Grade
- Mound
- Single Pass Sand Filter
- Recirculating Sand Filter
- Recirculating Gravel Filter
- Recirculating Textile Filter

Alternative onsite wastewater systems require that the current owner:

- Have a current operating permit from the Wasatch County Health Department that must be renewed annually with payment of appropriate fees.
- Have a maintenance contract with an individual or business that is State certified Level 3, as provided in R317-11, UAC, as amended.
- Have performance sampling completed according to state and local rules and the attached Exhibit A.
- Have an Operation and Maintenance Manual that has been approved by the Wasatch County Health Department.
- Provide full disclosure to any new owners or perspective owners of the alternative onsite wastewater system requirements as outlined above, including, passing on approved documents, manuals, and other information about the system.
- Notify the Wasatch County Health Department of changes to property ownership.

For questions about alternative onsite wastewater systems, contact the Wasatch County Health Department

This Notice cannot be removed without express written permission from Wasatch County Health Department.

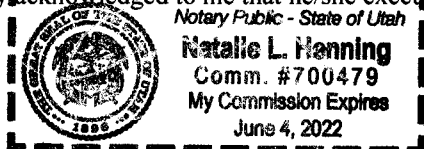
[Signature]
Signature of Property Owner

MIKE PETERSEN
Printed Name of Property Owner

STATE OF UTAH)
): SS
COUNTY OF Wasatch)

On the 6th day of April, 2020, personally appeared before me, Mike Petersen

who personally acknowledged to me that he/she executed this notice.



[Signature]
Notary Public

“Exhibit A” - Property Deed Notification and Requirements**Weathervane Square Lot 3 (0QU-0003-A-013-044)**

The wastewater system designed for Lot 3 utilizes a packed bed media, textile treatment system configured for nitrogen reduction. This system requires nitrogen reduction such that the concentration of total nitrogen (TN) does not exceed 10 mg/L as the effluent enters the absorption area with a maximum peak daily flow rate of 1,400 gallons per day (gpd).

System performance verification is required to ensure the system is operating within the design parameters. Verification of flow rates and water quality must be sampled and evaluated by a Level 3 Certified system operator per the schedule below.

Treatment system restrictions are for both flow rate through the system as well as for water quality discharged into the ground, as outlined below:

Water Quality Requirements:

BOD ₅	≤ 25 mg/L
TSS	≤ 25 mg/L
Total Nitrogen (TN)	≤ 10 mg/L ¹
Turbidity	≤ 20 NTU

Flow Rate Capacity:

Daily flow data shall be collected by the system.

System design maximum capacity is figured as follows:

$$400 \text{ gpd} * (3.511 \text{ acres of property}) / 5 \text{ acres} / (10 \text{ mg/L TN} / 50 \text{ mg/L TN}) = 1,400 \text{ gpd}$$

Where 400 gpd is allowed per 5 acres of property with a total nitrogen concentration of 50 mg/L.² Using an 80% reduction in total nitrogen (10 mg/L) yields an allowed flow of 1,400 gpd.

The maximum number of fuel pumps allowed is 8, using an estimated 160 gpd/pump. State Rule R317-4 identifies the estimated flow per fuel pump as 250 gpd. Data has been

¹ The limit for maximum TN concentration (mg/L) was set by the applicant to meet their goal of maximizing the flow that would be allowed, and considering generally the costs of the septic system, the needs of the property owner for the use of the property, and in compliance with Rule 06-1 standards. This TN limit was approved by the Health Department.

² This calculation is based off of Table 1 of Rule 06-1. This Table and Rule contain an assumption that the maximum flow per day per structure is 400 gpd, which is accepted nationally as the standard for daily water usage of a single family residence for septic purposes, and it is this standard that was used in the 1994 Wasatch County Hydrogeologic/ Water Quality Study. The Rule 06-1 standard was designed for single family residences, but can be converted to other non-residential uses by changing the maximum gallons per day by reducing the TN concentration (mg/L), as contemplated by Table 1 of Rule 06-1, for smaller lots.

provided by the permittee of actual metered flows of assumed similar types of use and it has been requested that the data be considered as per R317-4.³

Sampling Schedule:

Wasatch County Health Department Rule 06-1 outlines the sampling schedule for effluent quality that must be followed. A copy of that rule has been given to the permittee and can also be obtained at the Wasatch County Health Department. Results of the effluent samples and daily flow data shall be submitted to the Wasatch County Health Department within 10 days of receiving the effluent quality results.

³ Because Rule 06-1 was set up for single family residence daily flows, the health department utilizes R317-4 to determine estimated flows for non-residential applications. R317-4 allows for use of either estimated wastewater flow rates using Table 3, or actual metered wastewater flow rates. R317-4 estimated wastewater flow rates for service stations is 250 gpd per fuel pump. The applicant has provided data showing local service stations are using less than 160 gpd per pump. This amount is less than the estimated wastewater flow from Rule R317-4. The applicant bears the risk of their estimate being too low, and will need to obtain a new permit and a new wastewater system with increased capacity if peak daily flow exceeds 1,400 gpd more than 10% of the days in a 30 day period.

Lot 3, Weathervane Station Subdivision Amended