



STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
SOUTHWEST DRINKING WATER REGIONAL OPERATIONS  
PO Box 47823, Olympia, Washington 98504-7823  
TDD Relay 1-800-833-6388

February 6, 2019

Dave Fall  
Harstine Island Estates Association  
471 East Dana Drive  
Shelton, Washington 98584

Subject: Harstine Island Estates Assn Water System, ID #31565X, Mason County;  
Capacity Analysis - Infill, ODW Project #18-0306, APPROVAL

Dear Dave Fall:

The submittal we received on February 26, 2018, together with response to comments received on November 26, 2018, have been **APPROVED** in accordance with the provisions of WAC 246-290. Future changes in the rules may be more stringent and require facility modification or corrective action.

This project establishes the water system is able to serve a total of 80 connections (79 residential connections and one (1) non-residential serving a pool and recreational building). The system is not expanding their service area or infrastructure with this project. They are requesting an increase in the approved number of connections from 66 connections to 80 connections using existing infrastructure. At the time this project was submitted, a Water System Plan was not required. Also, the system currently serves four lots with recreational vehicles, but it is anticipated these lots may become single family residences in the future.

#### **APPROVED SYSTEM CAPACITY**

The analysis presented in this document demonstrates that the water system has adequate capacity to serve a total of 80 Equivalent Residential Units (ERUs) based on an Average Day Demand (ADD) of 225 gallons per day per ERU (gpd/ERU). The limiting factor for the water system is the annual water rights. **The water system is approved to serve a total of 80 connections.** It is your responsibility to ensure that physical capacity and water rights are not exceeded.

#### **WATER RIGHTS**

*Our approval of your water system design does not confer or guarantee any right to a specific quantity of water. The approved number of service connections is based on your representation of available water quantity. If the Department of Ecology, a local planning agency, or other*



Harstine Island Estates Assn.

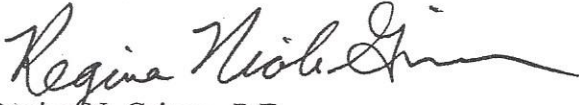
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*authority responsible for determining water rights and water system adequacy, determines you have use of less water than you represented, the number of approved connections may be reduced commensurate with the actual amount of water and your legal right to use it.*

If you have any questions, please contact me at (360) 236-3035 or by e-mail at [regina.grimm@doh.wa.gov](mailto:regina.grimm@doh.wa.gov).

Sincerely,



Regina N. Grimm, P.E.

Office of Drinking Water, Regional Engineer

cc: Ken Martig, Martig Engineering  
Alex Paysse, Mason County Public Health