



STATE OF WASHINGTON  
DEPARTMENT OF HEALTH

*NORTHWEST DRINKING WATER REGIONAL OPERATIONS*

*20425 72nd Avenue South, Suite 310, Kent Washington 98032-2388*

October 31, 2022

Dave Stoltz, Manager/Operator  
Dockton Water Assoc.  
[dave@docktonwater.org](mailto:dave@docktonwater.org)

Subject: Dockton Water Association System, ID # 19550  
King County  
Small Water System Management Program-2022  
Submittal # 22-0807

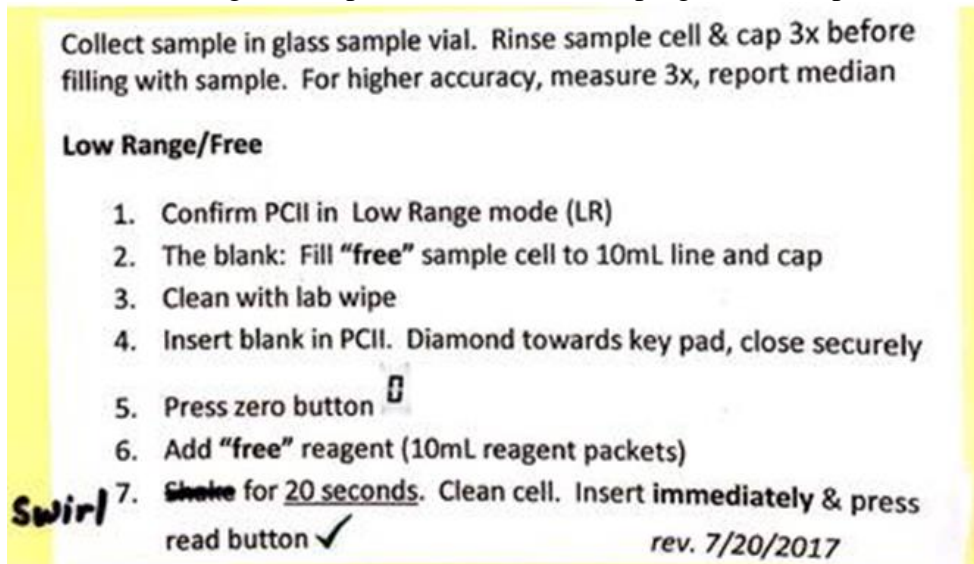
Dear Mr. Stoltz:

Thank you for submitting the above referenced planning document for the Dockton Water Association which was received in this office on July 21, 2022. We have completed our review and offer the following comments.

Thank you for the response to the 2013 comments and update to the SWSMP.

1. The system does not have an approved set of distribution system construction standards and specifications. Distribution system projects must be submitted to DOH for review and approval. Please acknowledge.
2. The capacity analysis appears to show that the existing system meets buildout conditions where  $ERU_{ADD} = 164\text{gpdpc}$ .
  - a. Page five of the appendix T, capacity analysis reports 373 full-time single-family residences. The water facilities inventory (WFI) reports 294 full-time single-family and 90 part-time single-family residences.  $ERU_{ADD}$  would be underestimated if fewer than 373 residences are full-time. Is the WFI accurate? Is recalculation of  $ERU_{ADD}$  warranted? How does the recalculation impact subsequent calculations of capacity?
  - b. How is distribution system leakage (DSL) accounted for in the projected water demand? How many ERUs for DSL will the system plan for?
  - c. Page six of the appendix T, capacity analysis reports 10 non-residential connections. The water facilities inventory (WFI) reports seven. Please update the WFI in appendix C.
  - d. Provide a summary of the capacity analysis clearly showing the limiting factor on capacity.

3. We encourage updating the hydraulic model of the transmission and distribution system. Absent update,
  - a. Compare 2002 and 2022 calculated peak hour demand and maximum day demand. Does the model accurately reflect today's conditions?
  - b. Is it possible to do a model calibration, checking actual pressures at hydrants and comparing to the 2002 model predictions?
  - c. Include a copy of the 2002 model in this plan.
4. Do you have a standard operating procedure for measuring chlorine residual? If yes, consider including. If not, please consider developing. See example,



**Respond to any comments Department of Ecology may have.**

We hope that you have found these comments to be clear, constructive and helpful in the development of your final SWSMP. We ask that you submit the revised SWSMP on or before February 1, 2023.

Regulations establishing a schedule for fees for review of planning, engineering and construction documents have been adopted (WAC 246-290-990). Please note that we have included an invoice in the amount of **\$510.00** for the review of the SWSMP. This fee covers our cost for review of the initial submittal, plus the review of one revised document. Please remit your complete payment in the form of a check or money order within thirty days of the date of this letter to: **DOH, Revenue Section, and P.O. Box 1099, Olympia, WA 98507-1099.**

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Thank you again for submitting your revised SWSMP for our review. If you have any comments or questions concerning our review, please contact Brietta Carter at (253) 395-6770, or me at (253) 395-6771.

Sincerely,

A handwritten signature in blue ink that reads "Richard Rodriguez". The signature is fluid and cursive, with a long horizontal stroke at the end.

Richard Rodriguez  
Regional Planner

Cc: Brietta Carter , DOH  
Seattle/King Co. Health Dept.  
Jae Hill, King Co. UTRC  
Ben Dahle, P.E.