



STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
EASTERN DRINKING WATER REGIONAL OPERATIONS  
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TDD Relay 1-800-833-6388

April 2, 2014

Mark Nelson  
Evergreen Valley Water System  
PO Box 394  
Cle Elum, WA 98922

Subject: Evergreen Valley Water System; PWS ID #02150; Kittitas County  
Water System Plan; Submittal #13-0306; **DOH Approval**

Dear Mr. Nelson:

The Evergreen Valley Water System Water System Plan (WSP) received in this office on March 11, 2013, with revisions on December 11, 2013, March 11, 2014, and March 28, 2013, has been reviewed and in accordance with the provisions of WAC 246-290-100 is hereby **APPROVED**.

An approved update of this WSP is required **on or before April 2, 2020**, unless the Department of Health (DOH) requests an update or plan amendment pursuant to Washington Administrative Code (WAC) 246-290-100(9). Approval of this WSP is valid as it related to current standards outlined in WAC 246-290 revised November 2010, WAC 246-293 revised September 1997, and Revised Code of Washington (RCW) 70.116, and is subject to the qualifications herein. Future revisions in the rules and statutes may be more stringent and require facility modification or corrective action.

This approval does not provide any guarantee and should not be considered to provide any guarantee concerning legal use of water or any subsequent water rights decisions by the Department of Ecology. A copy of the Department of Ecology's letter dated January 14, 2014, regarding your water rights is enclosed. This approval does not affect any uncertainties regarding your water rights or the resolution of those uncertainties. Depending on the resolution of the uncertainties, further planning or other action may be necessary.

Pursuant to RCW 90.03.386(2), the "Water Right Place of Use" identified on the Certificate of Water Right Place of Use map in Chapter 1 now represents "place of use" for this system's water rights. Future changes in service area should be made through a WSP amendment or update.

Evergreen Valley Water System has a duty to provide new water service within its retail service area. This WSP includes service policies to describe how your system plans to provide new service within your retail service area.

The Water System Plan (WSP) estimates current water usage for single-family residential connections to be an average day demand (ADD) of 165 gallons per day and a maximum day

demand (MDD) of 330 gallons per day, with future flow rates of 260 and 520 gallons per day per equivalent residential unit (ERU), respectively. The WSP shows the overall water system can serve 431 total ERUs under current usage conditions.

This WSP includes capacity information that demonstrates the physical and legal ability of this water system to provide water during the six-year period for which the approval of the WSP is valid. Based on the analysis presented in the WSP, the limiting factor in determining the approved number of connections is the **storage capacity**.

The number of approved connections is based upon Worksheet 6-1 that was included in your WSP and the current Water Facilities Inventory (WFI), assuming all new connections are single family connections:

<u>From Worksheet 6-1</u>	
Water System Capacity:	431 ERUs (limiting component is <b>storage capacity</b> )
Total Existing ERUs:	- <u>221 ERUs</u> (based on 201 current connections)
Available ERUs:	210 ERUs

<u>From WFI</u>	
Existing number of active service connections (from WFI):	201
Available connections (= Available ERUs):	+ <u>210</u>
Approved number of connections:	411 connections

**Accordingly, the approved number of connections that will be reflected on the Water Facilities Inventory (WFI) form is 411**, which is a decrease of 8 connections compared to previous approval.

Please note the following:

- The effect of distribution system leakage (DSL) is 11 ERUs. Eliminating just half of the current DSL would give back 5 or 6 ERUs or connections.
- With the next limiting factors being Distribution and Transmission, both with a limit of 549 ERUs, you have considerable capacity beyond the storage limit. By providing some additional storage (or eliminating some DSL), it is straightforward for you to gain additional connections without facing another capacity limit.

The capacity of the system will need to be reviewed in the future, because future water usage may reflect larger ADD and MDD values than given above, as presented in the WSP.

Evergreen Valley Water System is responsible for permitting new service connections in a matter consistent with the water system plan so that the physical capacity and water right limitations are not exceeded. As new water services are requested, the Evergreen Valley Water System must evaluate each connection for the expected water demands and adjust the remaining connection allowance. The water system should keep an updated list that compares the overall

Mark Nelson  
April 2, 2014  
Page 3

ERUs expended against the overall number of connections placed into service. This will allow a better estimate of the system's adequacy.

Standard Construction Specifications for distribution main extensions in this WSP are approved. Consistent with WAC 246-290-125(2), this system may proceed with the installation of distribution main extensions provided this system completes and keeps on file the enclosed construction completion report form in accordance with WAC 246-290-125(2) and WAC 246-290-120(5) and makes it available for review upon request by DOH.

Submittal of the WSP included a local government consistency determination from Kittitas County. This WSP meets local government consistency requirements for WSP approval pursuant to RCW 43.20 for this entity.

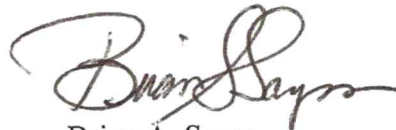
Evergreen Valley Water System is located within the Upper Yakima Watershed (WRIA #39). The Department of Ecology determined that this WSP is not inconsistent with an approved watershed plan adopted under Chapters 90.82 or 90.54 RCW.

Thank you for your cooperation. DOH recognizes the significant effort and resource commitment involved in the preparation of this WSP. If you have questions or wish to check our records, please contact either of us at (509) 329-2116 or (509) 329-2137, respectively.

Sincerely;



Russell Mau, PhD, PE  
Regional Engineer  
Office of Drinking Water  
Division of Environmental Public Health



Brian A. Sayrs  
Regional Planner  
Office of Drinking Water  
Division of Environmental Public Health

Enclosures: Department of Ecology letter  
Construction Completion Report

cc: Kittitas County Public Health  
Kittitas County Community Development Services  
Utilities and Transportation Commission  
Nathaniel Nofziger, PE, Western Pacific Engineering & Survey, Inc.  
Dave Holland, Department of Ecology, Central Regional Office  
George Simon, DOH Regional Compliance Program Director  
Katrina Anderson, DOH WFI Coordinator