



Skamania County
Community Development Department
Building/Fire Marshal ♦ Environmental Health ♦ Planning
Skamania County Courthouse Annex
Post Office Box 1009
Stevenson, Washington 98648
Phone: 509-427-3900 Inspection Line: 509-427-3922

WATER ADEQUACY VERIFICATION (W.A.V.) APPLICATION INTAKE CHECKLIST

(This checklist must be completed and submitted with all required documents for the application to be considered complete. Review will not begin on the project until all of the requirements below are submitted.)

STAFF APPLICANT

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Complete Water Availability Verification Application and <i>non-refundable</i> fee (payable to Skamania County Treasurer). Fees are subject to change by resolution of the County Commissioners. |
| | <input type="checkbox"/> | Self Sample - \$265 <i>non-refundable</i> fee |
| | <input type="checkbox"/> | SCCDD Collected Sample - \$300 <i>non-refundable</i> fee |
| <input type="checkbox"/> | <input type="checkbox"/> | If the applicant intends to self-sample, the water samples and signed self-sample affidavit must be submitted with this application. |
| <input type="checkbox"/> | <input type="checkbox"/> | Well log report. |
| <input type="checkbox"/> | <input type="checkbox"/> | Well pump test results (2-connection shared wells only). |

Reviewed by _____ **Complete:** Yes _____ No _____ **Date:** _____

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Water Adequacy Verification (W.A.V.) Application & Information Packet

What is a Water Adequacy Verification (W.A.V.)?

According to RCW 19.27.097, "Each application for a building permit of a building necessitating potable water shall provide evidence of an adequate water supply for the intended use of the building." Through the WAV process, Skamania County Community Development (SCCDD) assesses and determines the adequacy of proposed potable water supplies for the residents of Skamania County.

Do I need a WAV?

WAV applications are required only when applying for a one (1) connection well or for a two (2) connection shared residential water system that qualifies for elimination from most Group B Public Water System requirements. Below are the exceptions and exemptions:

Exemptions:

1. Remodels
2. Building permits requiring no plumbing
3. Replacement construction
4. Surface water sources

Exceptions:

1. Land Divisions. This WAV application is not to be used for proposed land divisions. A Land Division – Water application is required for all land division proposals.
2. Public Water Systems. Applicants proposing to use an existing Group A or Group B water system shall submit a letter to the Building Division from the water purveyor indicating that the Group A or Group B water system has an adequate quantity and quality of water and is willing to serve the proposed structure. For new Group B water systems, a WAV application is not required as part of the application process.

The Process

1. A complete WAV application packet and fee must be submitted for the review process to begin. A WAV approval is required before a building permit may be released.
2. Pump Installation: the pump must be installed prior to collecting the water samples and must be wired to permanent power by a licensed electrician; or prepared for temporary power. If temporary power is required, it is important to make certain the electric plug is compatible with the generator to be used.

3. The Environmental Health Specialist will review the following criteria to ensure conformity:
 - a. Well construction: Water sources submitted for the WAV shall conform to the prevailing accepted standards for best construction practices.
 - b. Wellhead protection.
 - c. Surface seal: Surface seals protect groundwater by preventing rapid access into the water table by surface microbial and/or chemical contaminants. Pumps and pitless adaptors must be installed prior to application submittal and prior to the surface seal installation.
 - d. Sanitary Control Area (Wellhead protection area): A circle of 100-foot radius superimposed over a wellhead. Sanitary control may include additional areas up gradient of the water source, and shall be indicated on the site plan.
 - e. Equipment and Distribution System: Visual verification that the equipment and distribution system appear to be in good repair and are operating properly. However, this determination does not address the future adequacy of the distribution system.
 - f. Quality: The evaluation process will include a bacterial, arsenic and nitrate water sampling.
 - i. SCCDD will collect water samples as part of the WAV process.
 - ii. Applicants may choose to collect their own water samples. To do this, applicants must work with a certified Washington State laboratory (a list is available from the Community Development Department). Once the tests are completed by the lab, the applicant must submit a copy of the test results to the Department with the completed application.
 - iii. Laboratory Analysis:
 1. If the results of the testing are satisfactory and meet all other requirements, the WAV approval letter may be issued (see below)
 2. If the water samples are determined by the laboratory to be unsatisfactory, a Conditional WAV release may be considered and is allowed on a case-by-case basis at the discretion of the EHS and the Director. The well must be disinfected or treated, resampled, and retested before the final WAV letter will be issued. If further sampling remains unsatisfactory, a water treatment device may be required. See SCCDD for more information about Conditional WAVs.
 - g. Quantity: A minimum daily yield of 400 gallons per day (0.28 gallons per minute) and peak daily use of 750 gallons per day is required.
 - i. The following types of documentation shall be accepted as evidence of water quantity for individual one connection residential wells and two connection shared residential wells meeting the requirements for an elimination from most Group B Public Water System regulations:
 1. Well log
 - a. A well log shall be accepted for one (1) connection residential wells only, provided all required information to show adequate water quantity is documented on the well log.
 - b. If adequate information, as determined by the Environmental Health Specialist, is:
 - i. Not provided on the well log; or
 - ii. A well log is unavailable; or

- iii. A one (1) connection residential well is proposed to be converted into a two (2) connection shared residential water system meeting the requirements for an elimination from most Group B Public Water Systems;
Then the applicant shall be required to have a pump flow test performed and submit documentation showing a sustained two (2) hour pump flow test indicating a flow of at least 0.28 gallons per minute/peak daily use of 750 gallons per day.
 - c. Well logs shall not be accepted as form of documentation showing adequate water quantity for two (2) connection shared residential water systems meeting the requirements for an elimination from most Group B Public Water System regulations and for individual wells used for a commercial use.
 - 2. Pump Flow Test
 - a. All two (2) connection shared residential water systems meeting the requirements for an elimination from most Group B Public Water System regulations and individual wells used for a commercial use shall be required to perform a pump flow test.
 - b. Finding for satisfactory drinking water quantity shall be based on submitted documentation showing a sustained two (2) hour pump flow test indicating a flow of at least 0.28 gallons permit minute. A minimum daily yield of 400 gallons per day/0.28 gallons per minute and peak daily use of 750 gallons per day is required.
 - c. Pump flow test results shall be valid for one (1) year. If a WAV approval is not obtained within the one (1) year time period, a new pump flow test shall be required and updated documentation shall be submitted to the Department prior to obtaining a WAV approval.
 - 3. If the water quantity is unsatisfactory, a Conditional WAV release may be considered and is allowed on a case-by-case basis at the discretion of the EHS and Director. Storage devices may be required to meet the required flow.
- 4. Release of approval letter
 - a. For an Approval Letter to be issued, the submitted application, supporting documents, water quality and quantity requirements must be satisfactory, and all observed water source construction or site deficiency issues have been resolved.
 - b. A WAV release letter is prepared by the EHS. The Director has the option of reviewing the completed application prior to signature and release.
 - c. The applicant is notified when the WAV letter is ready. Copies of the WAV release letter and lab results will be delivered to the owner and applicant via standard United States Postal Services. Staff will provide a copy of the WAV release letter to the Building Official. The on-hold status in the permit database will be changed to approved. If a conditional WAV has been issued, then additional inspections or approvals may be required prior to final inspection approval and/or occupancy.

- d. The WAV is valid for a five-year period, after which a new application will be required if the proposed structure has not been built or placed on the property. WAVs may be transferred within a title change of a property. WAV documentation may also be used as support data (but not final approval) for the formation of a new Group B Public Water System, if the well can meet the Group B Public Water System requirements.

WATER ADEQUACY VERIFICATION (WAV) APPLICATION

(Please complete application in ink)

Applicant: _____ E-mail: _____

Address: _____ Home: () _____

Work: () _____

Property Owner: _____ E-mail: _____

Address: _____ Home: () _____

Work: () _____

Site Address: _____

Tax Lot/Parcel # _____ Total acres: _____

Detailed directions to well site (list any restrictions/access issues): _____

Project Proposal: _____

Type of Water Source:

Private, Individual Well (Serving one single-family dwelling)

New Existing

Shared Well (Serving two single family dwellings)

New Existing

Well Depth: _____ Gallons Per Minute: _____

Diameter: _____ Pump Horsepower: _____

Static Water Level: _____ WA Dept. of Ecology Well Tag #: _____

Drilling Company: _____ Date well was drilled: _____

Does the well have a DOE Well Tag attached to it? Yes No
If yes, submit photo of the well tag.

Submit a copy of the Well Log.

Pump Company: _____ Date the pump was installed: _____

FLAG SITE:

To easily locate your property and the well location, place your name on a sign and affix to a post or tree in front of the site marking access from the main road. Mark property corners, property lines (every 100 feet), etc. If the site has property lines clearly marked (fence, roadway, etc.), it will not be necessary to flag these lines. Clearly mark the location of the well.

For Department Use Only:	Date received:
Received by:	Permit File Number:
Fee:	Receipt Number:

Owner/Applicant Statement: I, the undersigned, hereby certify that the information provided is true and accurate to the best of my knowledge. I further understand that in order to process my application, I hereby grant SCCDD access to the site for inspection purposes. I hereby assume all responsibility for the accuracy of the information contained herein. I will comply with the rules and regulations of SCCDD for wells and water systems. I understand that alterations of the building envelope size or location, or any filling or grading may invalidate any approval granted for this application.

Applicant Signature

Date

Owner Signature

Date

IF SELF SAMPLING, PLEASE READ AND SIGN BELOW:

DECLARATION OF APPLICATION

The property owner is responsible for utilizing a Washington state certified laboratory. The applicant must submit the test results to the Community Development Department with this completed application.

By signing below, you hereby certify that the result(s) presented to the Skamania County Community Development Department for purposes of sample analysis are from the individual water supply source located on the referenced property.

WELL ID #: _____

I declare the above statements to be true and correct and made subject to the penalties for perjury under the laws for the State of Washington.

Property Owner Signature

Date