Water Metering Specifications for the Dungeness Watershed

Clallam County, Washington State

As of January 2, 2013, all new water uses in the Dungeness watershed (Water Resources Inventory Area [WRIA] 18) must be measured. This applies to surface and groundwater uses, including well uses under the groundwater permit exemption. Water users are required to install a meter to record and report their water use. The approximate cost of a meter is between $250 and $350.

In addition to uses beginning after January 2, 2013, the metering requirement applies to existing users with water rights. Existing permit-exempt well users do not fall under this requirement.

The following provides a general outline of meter, interface unit and installation requirements. See contacts in the side bar for assistance.

Meter Specifications

- Meter must measure cold water flow in one direction only.
- Meter must read in gallons.
- Meter must use positive displacement technology.
- Meter must comply with:
  - American Water Works Association (AWWA) standard C700-latest revision.
  - AWWA and National Institute of Standards and Technology (NIST) standards for cold water meters, as tested under guarantee by the manufacturer.
- Meter must include an absolute encoder register that:
  - Conforms to AWWA standard C-707-latest revision.
  - Is compatible with a Neptune R900i® Meter Interface Unit (MIU) for automatic meter reading.
- The meter manufacturer must be certified, or in process of being certified, as meeting ISO 9001 2000 standards.
- The meter design must include meter box specifications.
- The meter box lid must be made of composites (not cast iron).

FOR MORE INFORMATION

WAC 173-518 "Water Resources Management Program for the Dungeness Portion of the Elwha-Dungeness Water Resource Inventory Area (WRIA) 18" is effective January 2, 2013.

Ecology contact information:

Eva Richards
Southwest Regional Office
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Meter purchasing/ installation:

Brad Hammar
HD Supply Waterworks
425-766-3311
brad.hammar@hdsupply.com

Special accommodations:

If you need this publication in an alternate format, call the Water Resources Program at 360-407-6872. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.

Meter Interface Unit (MIU) Neptune R900i®

- The meter must include a Neptune R900i® MIU meeting NIST standards for automated meter reading systems. The MIU must be compatible with a Neptune CE5320B handheld Data Collector.
- A lithium battery with capacitor must supply the power to the MIU. The battery must be field replaceable, and designed for at least a 20-year life expectancy.
- Manufacturer must be certified, or in process of being certified, as meeting ISO 9001 2000 standards.

Installation Specifications

- The meter must be installed according to manufacture specifications despite varying installation conditions. For example: variable pipe-fittings, pipe sizes, well locations, and landscape conditions.
- Meter installation must assure an even velocity profile. Installers must use straight sections of pipe before and after the meter, straightening vanes, or other flow conditioning devices as necessary to provide even flow through the meter.
- Meters will be installed 8 to 12 inches below the meter box lid, or as appropriate for location and geographic area.
- It is the home builder's or well owner's responsibility to maintain the meter and meter box in good working order. If installation does not meet specifications or there are abnormal readings, the home builder or well owner must assure that equipment is reinstalled, repaired, or replaced as necessary.

HD Supply Waterworks Washington State Branches

City	Address	Zip	Phone	Fax
Bellingham	3735 Irongate Rd	98226	(360) 734-4210	(360) 734-4712
Marysville	4106 134th Street NE	98271	(360) 651-1147	(360) 651-1151
Pasco	645 Lockheed St	99301	(509) 547-2410	(509) 547-2367
Puyallup	602 Valley Ave, NE	98372 2518	(253) 840-8558	(253) 840-1141
South Seattle	10013 MLK Jr Way	98178-2078	(206) 722-4800	(206) 682-1611
Spokane	1215 N Bradley Rd	99212	(509) 893-1055	(509) 893-1098
Tacoma	10708 Golden Given Rd E	98445-1852	(253) 531-1144	(253) 531-9561
Vancouver	9115A NE 117th Ave	98662	(360) 256-6151	(360) 256-6225
Woodinville	5823 238th SE	98072	(425) 483-2724	(425) 486-0981