

Docket No.	Project Name	Brief Description of Suggested Amendment	Who Suggested Amendment	Staff Lead	Staff Recommendation
14-03	KCC Chapter 13.04 On-Site Sewer Disposal Systems and Chapter 13.20 Well Construction	Amendment to KCC Section 13.04.080 replace KCC 17A.08.020 Well location; and KCC Section 13.20.040 Well location and access to replace 17A.08.025 wellhead protection areas	Staff	Health	Approve
	KCC Section 13.35.050(3) Individual Water System	Amendment to KCC adopted with Ord. 2014-005 to read "two gallons per minutes (2GPM)" rather than "five gallons per minute (5GPM)"	Staff	Health	Approve
	KCC Chapter 17A.08	Proposal to delete KCC Sections 17A.08.020 and 17S.08.025 by moving existing language to KCC Chapters 13.04 and 13.20	Staff	Health	Approve

Kittitas County Public Health Department (KCPHD) is proposing an amendment to KCC Section 13.20.040, Well Location and Access. KCPHD proposes to amend existing language in KCC Sections 17A.08.020 and 17A.08.025 to reference KCC Chapter 13 as outlined below.

KCPHD proposes that KCC Chapter 13.04. "Location Section" be added to replace Section 17A.08.020 and that KCC Chapter 13.20 for the language existing in 17A.08.025.

KCPHD proposes to correct KCC Section 13.35.050(3), Individual Water System from "two gallons per minute (2GPM)." KC Ordinance 14-005 and other pertinent sections of Chapter 13.35 were previously amended in 2014 to reflect this correction, but Section 13.35.050(3) was not updated.

#### DRAFT – August 2014

*Kittitas County Code Sections 17A.08.020, On-site sewage disposal regulations, and Section 17A.08.025 Wellhead protection areas are amended by referencing adding existing language to KCC Chapters 13.04 and KCC Chapter 13.20 as follows:*

### **Chapter 17A.08 AQUIFER RECHARGE AREAS**

#### **Sections**

17A.08.010 Designation of aquifer recharge areas.

17A.08.015 Hazardous materials.

~~17A.08.020 On-site sewage disposal regulations.~~

~~17A.08.025 Wellhead protection areas.~~

**17A.08.020 On-site sewage disposal regulations.**

~~On-site sewage disposal regulations. The Kittitas County on-site sewage disposal regulations (December 1978) are hereby adopted by reference as the development regulations for all uses defined in this chapter. (Ord. 94-22 (part), 1994). See KCC Chapter 13.04, On-Site Sewage Disposal Systems.~~

**17A.08.025 Wellhead protection areas.**

~~Wellhead protection areas. All noncommunity wells must be placed a minimum of fifty feet from property lines. (Ord. 9422 (part), 1994). See KCC Chapter 13.20, Well Construction, Reconstruction and Decommissioning Requirements.~~

**Chapter 13.20**

**WELL CONSTRUCTION, RECONSTRUCTION AND DECOMMISSIONING REQUIREMENTS**

**Sections**

13.20.010 Authority.

13.20.020 Applicability.

13.20.030 Notification.

13.20.040 Well Location.

13.20.050 Well Construction.

13.20.060 Appeals.

**13.20.040 Well Location and Access.**

1. All wells shall be located in accordance with the following rules:
  - a. Minimum Standards for Construction and Maintenance of Wells (Chapter 173-160 WAC);
  - b. Developments, Subdivisions and Minimum Land Area Requirement rules for Positioning of On-Site Sewage Systems (Chapter 246-272A WAC);
  - c. The Joint Plan of Responsibility;
  - d. The site's unique physical features and structures so that the well is protected from contamination; and
  - e. Any other applicable federal, state or local law.
2. A well for a Group A Water System shall also be located:
  - a. In accordance with Source Water Protection rules for Group A Water Systems (Section 246-290-135 WAC);
3. A well for a Shared or Group B Water System shall also be located:
  - a. In accordance with Ground Water Source Approval and Protection Rules for Group B Water Systems (Chapter 246-291 WAC), including but not limited to a minimum one hundred foot sanitary control area and a duly recorded restrictive covenant;
  - b. So that all properties within the well's sanitary control area are being served by the well; and
  - c. So that no road is within the sanitary control area. The meaning of road for this Chapter shall include but is not limited to, any county, state or federal right of ways and any private road. Driveways are not considered roads under this Chapter.
4. A well for a Shared or Group B Water System shall have a recorded easement granting access to the well, pump house and pipeline to the future owners of the water system.
5. A well for an individual water system shall also be located:

- a. ~~In accordance with Well Head Protection regulation (Section 17A.08.025 KCC); All noncommunity wells shall be setback a minimum of fifty (50) feet from all roads and property lines. The meaning of road for this Chapter shall include but is not limited to, any county, state or federal right of ways and any private road. Driveways are not considered roads under this Chapter. and~~
- b. ~~So that no road is within fifty (50) feet of the well. The meaning of road for this Chapter shall include but is not limited to, any county, state or federal right of ways and any private road. Driveways are not considered roads under this Chapter. Setbacks not meeting Kittitas County Code may be allowed at the discretion of the health officer. (Ord. 2011-006, 2011)~~

KCC Section 13.35.050, is amended as follows:

## **Chapter 13.35**

### **ADEQUATE WATER SUPPLY DETERMINATION FOR BUILDING PERMITS**

#### **Sections**

13.35.010 Authority.

13.35.020 Applicability.

13.35.030 Group A Public Water System Requirements.

13.35.040 Group B Water System Requirements.

13.35.050 Individual Water System Requirements.

13.35.060 Shared Water System Requirements.

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#### **13.35.050 Individual Water System.**

Applicants for an Adequate Water Supply Determination with an individual water system shall meet the following requirements:

1. Application. Submit a completed application with any applicable fees to KCPHD.
2. Groundwater Well as Water Source. The water quality and quantity of the groundwater well shall be evaluated for an Adequate Water Supply Determination by KCPHD.
  - a. Water Quality. The water produced by the water source shall either:
    - i. Pass a water quality test with results submitted to KCPHD; or
    - ii. If the water fails the water quality test, then applicant shall
      1. Add a treatment system to raise the water quality to potable standards. The treatment system shall comply with all applicable federal , state and local regulations and shall protect the health and safety of the users of the system; and
      2. File a notice with the County Auditor describing the treatment system.
  - b. Water Quantity.
    - i. All wells to be used in an individual water system shall be constructed prior to the issuance of an Adequate Water Supply Determination.
    - ii. A well log recorded within the last ten (10) years demonstrating a minimum flow of two (2) gallons per minute (GPM) for at least a two (2) hour period shall be submitted to KCPHD.
      1. If a well log is not available or the well log indicates a flow of less than two (2) GPM for a two (2) hour period, then a four-hour draw down test shall be submitted to KCPHD.

2. A well log that was recorded more than ten (10) years ago may be accepted at the discretion of the Health Officer.
    - iii. The minimum acceptable production level where the water source is a well is three hundred fifty (350) gallons per day for an individual water system.
  3. Water Distribution System. When the water source is a well and produces less than ~~five-two~~ gallons per minute (~~52~~ GPM) according to the well log or four-hour draw down test, adequate flow equalization is required for periods of higher use within the dwelling unit. The water distribution system design shall meet the following requirements:
    - a. Flow equalization tank requirements shall be determined by the following:  $(150)(2-X \text{ gpm}) = \text{gallons of tank capacity needed}$  (where X = gallons per minute produced as determined by the four-hour draw down test). The required tank capacity could be as much as 263 gallons depending on the flow of the well.
    - b. A booster pump and pressure tank shall be included in the water distribution system.
  4. Cistern as Water Source. When the proposed water source is a cistern, the applicant for a Water Supply Determination shall comply with Chapter 13.25 KCC. (Ord. 2014-005, 2014; Ord. 2011-006, 2011)