

## **CHAPTER 3 - WELLHEAD PROTECTION**

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### **Section 8-3-1: Purpose and Goals:**

- A. It is the purpose of this Chapter to promote the public health, safety, and general welfare of the residents of Elmore County by minimizing public and private losses due to contamination of the public water supply, through a formalized ground water protection/pollution abatement and control plan.
- B. The specific goals of the wellhead protection regulations, and the formalized ground water protection/pollution abatement and control plan are to:
  - 1. Protect public water systems; and
  - 2. Protect human life and health; and
  - 3. Ensure that the public is provided with a sustainable safe potable water supply; and
  - 4. Minimize expenditure of public money for pollution remediation projects; and
  - 5. Minimize regulations and land use; and
  - 6. Minimize business interruptions.

### **Section 8-3-2: Applicability:**

- A. This Chapter and these regulations contained herein shall only apply to public and private water systems regulated by the Division of Environmental Quality areas within a Public Water System's Source Water Protection Area, as established and certified by the Idaho Department of Environmental Quality, within the jurisdiction of Elmore County, Idaho and registered with the Elmore County Recorder.
- B. Private or individual wells shall be exempt from this Chapter.

### **Section 8-3-3: Establishment of Wellhead Zones Established:**

- A. This Chapter shall establish four (4) wellhead zones:

1. Wellhead Protection Zone IA, defined as a minimum fixed radius extending no less than one hundred (100') feet radius from the wellhead supplying potable water to the public water supplies; and
  2. Wellhead Protection Zone 18, defined as a three (3) year Time of Travel district (TOT) as defined in this Title, which is the time required for ground water to move in the ground from a specific point to a well; and
  3. Wellhead Protection Zone II, defined as six (6) year Time of Travel district (TOT); and
  4. Wellhead Protection Zone 111, defined as a ten (10) year Time of Travel district (TOT).
- B. Source Water Delineation Maps for the Wellhead Zones are located with the Idaho Department of Environmental Quality and in the Elmore County Ground Water Quality Improvement and Drinking Source Protection Plan.

**Section 8-3-4: Notice of Proposed Action to Operator of Public or Community Water Supply:**

Whenever there is a request which requires approval from the Commission and/or Board for land lying within a wellhead protection zone, written notice of the hearing shall be given to the entity operating the public or community water supply within that district. The Commission and/or Board may require a granting of easements for monitoring wells if the Commission and/or Board deems it appropriate for protection of the public water supply.

**Section 8-3-5: Allowed Uses and Notice Requirements by Zone:**

- A. Wellhead Protection Zone IA: Uses permitted within Zone IA shall be limited to:
1. Necessary public water supply wellhead equipment including, wellhead facility buildings, water storage tanks, disinfections equipment, disinfections chemical storage and landscaping as required by this Ordinance. All other uses shall be prohibited.
- B. Wellhead Protection Zone 18: Notice of proposed action to operator of public or community water supply shall be required in a Wellhead Protection Zone 18 if any of the following uses are proposed within a wellhead Zone 18:
1. Solid waste facilities; and

2. Livestock confinement operations; and
  3. Hazardous waste disposal facility; and
  4. Injection well is a prohibited use except for the following:
    - a. Closed systems or as approved by IDEQ.
  5. All manufacturing or industrial businesses involving the collection, handling, manufacture, use, storage, transfer or disposal of any hazardous solid or liquid material or waste having potential impact on ground water; and
  6. Existing sewer lines shall not be closer than one hundred (100') feet of a wellhead or of a new sanitary system and sewer lines shall not be closer than one hundred fifty (150') feet of a wellhead; and
  7. Existing septic tanks or drain fields shall not be closer than one hundred (100') feet of a wellhead and new installation of septic tanks or drain fields shall not be closer than two hundred (200') feet away from the wellhead; and
  8. Junk or salvage yards; and
  9. Disposal of waste oil, oil filters, tires and all other petroleum products; and
  10. Land use activities posing a hazard or threat to existing ground water quality as deemed by the Director, Commission and/or Board during review process of applications may be prohibited.
- C. Wellhead Protection Zone II: Notice of proposed action to operator of public or community water supply shall be required in a Wellhead Protection Zone IB if any of the following uses are proposed within a wellhead Zone II:
1. Solid waste facilities; and
  2. Hazardous waste disposal facility; and
  3. Injection well is a prohibited use except for the following:
    - a. Deep well injection (below eighteen (18') feet in depth):
      - (1) Geothermal heat; or
      - (2) Heat pump return; or
      - (3) Cooling water return;
    - b. Shallow well injection only (less than eighteen (18') feet in depth), including:

- (1) Storm runoff; or
- (2) Agricultural runoff wastewater; or
- (3) Special drainage water; or
- (4) Aquifer recharge; or
- (5) Aquifer remediation; or
- (6) Septic systems (general).

4. Land use activities posing a hazard or threat to existing ground water quality as deemed by the Director, Commission and/or Board during review process of applications may be prohibited.

D. Wellhead Protection Zone III: Notice of proposed action to operator of public or community water supply shall be required in a Wellhead Protection Zone IB if any of the following uses are proposed within a wellhead Zone III:

1. Injection wells except for the following:

a. Deep well injection (below eighteen (18') feet in depth):

- (1) Geothermal heat; or
- (2) Heat pump return; or
- (3) Cooling water return.

b. Shallow well injection only (less than eighteen (18') feet in depth):

- (1) Storm runoff; or
- (2) Agricultural runoff wastewater; or
- (3) Special drainage water; or
- (4) Aquifer recharge; or
- (5) Aquifer remediation; or

2. Land use activities posing a hazard or threat to existing ground water quality as deemed by the Director, Commission and/or Board during review process of applications may be prohibited.