



LOS ANGELES COUNTY ♦ DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL HEALTH  
Bureau of Environmental Protection  
Drinking Water Program  
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## PLOT PLAN / WORK PLAN GUIDELINES FOR INSTALLATION OF A WELL WATER TREATMENT DEVICE

### DEFINITIONS

**WELL WATER TREATMENT DEVICE means:**

a device that is installed in conjunction with a private water well, for the purpose of reducing the primary inorganic chemicals in the domestic water supply. All components of this drinking water system are to be ANSI / NSF certified or equivalent (including indirect additives, products and materials including process media).

**POINT OF ENTRY (POE) means:**

a water treatment device utilizing treatment technologies installed at the well head OR at some point before the water enters the dwelling, to achieve compliance with current drinking water standards. POE devices are identified as the only alternative for achieving compliance with State and Federal drinking water standards necessary for obtaining water availability approval from the Department for the purpose of obtaining a building permit.

**CONTAMINANT means:**

(as used in this document) any health-related physical, chemical, biological or radiological substance or matter in water.

**MAXIMUM CONTAMINANT LEVEL (MCL) means:**

the legal limit established by the U.S. Environmental Protection Agency (EPA) and each individual state for the maximum amount of a biological and chemical contaminant that is permissible in drinking water. The MCL defines the enforceable standard that determines the potability of water. A State can impose stricter levels of control, but cannot lower the levels of control established by the EPA.

### THE IMPORTANCE OF PLANNING...

### TO ENSURE SAFE DRINKING WATER.....



**PROCEDURES TO OBTAIN WELL WATER AVAILABILITY APPROVAL UTILIZING A WELL WATER TREATMENT DEVICE:**

- 1. CONSULT WITH THE HEALTH DEPARTMENT;**
- 2. DO YOUR HOMEWORK, AND ASK QUESTIONS;**
- 3. SUBMIT A WORK PLAN, TO INCLUDE A PLOT PLAN DRAWN TO SCALE;**
- 4. PLANS THAT ARE INCOMPLETE OR THAT REQUIRE EXCESSIVE CORRECTIONS WILL BE RETURNED FOR REVISION PRIOR TO APPROVAL;**
- 5. ENSURE THAT ALL DRINKING WATER SYSTEM COMPONENTS OF THE OVERALL TREATMENT SYSTEM ARE ANSI / NSF CERTIFIED OR EQUIVALENT;**
- 7. INSTALL EQUIPMENT ACCORDING TO THE PLANS AND REQUIREMENTS;**
- 8. ANY REVISIONS TO THE ORIGINAL PLANS SHALL BE RE-SUBMITTED TO THE HEALTH DEPARTMENT FOR ADDITIONAL REVIEW AND APPROVAL.**
- 9. UPON COMPLETION OF CONSTRUCTION, CONTACT THE DEPARTMENT TO REQUEST THAT WELL WATER TEST SAMPLES BE OBTAINED TO ENSURE THAT THE PRIMARY INORGANIC CHEMICALS ARE WITHIN THE MCL;**
- 10. UPON COMPLETION OF ITEMS # 1 - #9, WELL WATER AVAILABILITY APPROVAL WILL BE ISSUED.**

**WORK PLAN REQUIREMENTS:**

- 1) Plan shall be drawn to scale of no less than 1" = 20' for parcels of one acre or less; and 1" = 40' for parcels over one acre. The typeface and size must remain legible. The plot plan may not exceed a paper size of 11" X 17".
- 2) The plot plan shall indicate the location of the well as well as the location of the proposed water treatment device; including a plumbing diagram from the well head to the device and to the dwelling; to any accessory structures; and to all exterior hose bibs.
- 3) Indicate any water storage tanks and the well house.
- 4) On a separate sheet of paper, provide the well water treatment device specifications including a diagram of the overall treatment system. This sheet should also include ANSI / NSF or equivalent certifications of all system components, products or materials that contact drinking water. Additionally, this should include the manufacturer's requirements for installation and maintenance of the equipment.
- 5) List the types of contaminants to be removed from the well water.
- 6) **IF THE DEVICE REQUIRES BACK-FLUSHING:**
  - a) (When applicable) Specify the amount of water to be released into the septic system after back-flushing.
  - b) (When applicable) Specify required frequency of back-flushing.

**PLEASE NOTE: The amount of water generated by back-flushing the well water treatment system may require an increased capacity of the Onsite Waste Water Treatment System (OWTS).**