

ENVIRONMENTAL HEALTH DIVISION

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STATE SMALL WATER SYSTEM PERMITTING INFORMATION

The following information is intended to guide the prospective water system applicant through the process required for the State Small Water Supply Permit.

STATE SMALL WATER SYSTEM DEFINED

A State Small water system is a water system intended to serve at least five (5) but not more than fourteen (14) service connections and less than an average of 25 individuals daily for more than 60 days out of the year.

PERMIT PROCESSING FEES

A fee of current hourly rate will be charged for the amount of time required to process the permit application. Staff time includes office visits by applicant, telephone conversations, evaluation of system design, travel time to system site, and field investigations.

CONDITIONS

The State Small Water System shall be completed within six months of the submission of the application. If extenuating conditions exist making it impossible to complete within the six-month time period, a written request for an extension of time, detailing why an extension is needed and the amount of time it will take to complete the system, shall be submitted prior to the end of the six-month time limit.

The State Small Water System application will be returned to the applicant and no records will be retained if the system is not completed within six months or by the granted extension date.

If a conditional building permit was issued with a requirement that a state small water system permit be obtained prior to final, then occupancy will not be signed off by Environmental Health until all conditions for the permit have been completed and the permit issued.

APPLICATION PROCESS

The attached application forms and required information shall be completed and returned to Environmental Health. The required forms and information include the following:

1. STATE SMALL WATER SYSTEM APPLICATION

The application must be signed by all the property owner(s) of the water system.

If a corporation makes this application, it must be signed in the name of the corporation by its duly accredited office or officers.

If this application is made by a partnership, all of the members must sign.

A Notary Public must witness signatures on the application, unless signed before a member of the Environmental Health Division staff. Applications lacking a notarized signature(s) or proper verification will not be accepted.

2. WATER SYSTEM INFORMATION

A. SOURCE OF WATER SUPPLY

The source of supply may be a well, year-round spring, etc. If it is a well, a copy of the well driller's report is preferred for each well used in the water system.

- **Water Quantity**-The water system must have sufficient water available from the source and storage facilities to supply a minimum of three (3) gallons per minute for at least 24 hours for each service connection, or 4320 gallons of storage (not including "fire" water storage) for each connection.
- **Pump Test Report**-If the source of supply is a well, then a pump test to determine the sustained yield of the well is required. The Environmental Health Specialist will determine the length of the test.
- **Water Pressure**-The water system must be capable of supplying a water pressure of at least 20 psi at each connection. The water pressure will be checked at the inspection to verify that the system is capable of supplying water pressure of at least 20 psi, using a hose bib at the connections. The water system shall have all the water main lines installed and hose bibs available to check the pressure.

B. WATER SYSTEM DESCRIPTION

A description of the water system is to be submitted along with the application packet. The description includes information on the well, storage tanks, and distribution piping.

A site map of the water system is to be submitted along with the application packet. The map shall include the parcels that will be served by the system, location of the well(s), storage tanks(s), layout of the water lines as they serve each parcel, and existing and/or proposed structures connected to the system. The map shall also show animal enclosures, agricultural drainage sumps, storm and runoff sumps, waste disposal wells, hazardous material sites, sewer lines, septic tanks, seepage pits, cesspools, leach lines, etc., that are located within 200 feet of the well. A handwritten sketch will be acceptable only if it is accurate and legible.

3. ADDITIONAL INFORMATION

A. ARTICLES OF INCORPORATION AND CORPORATE BYLAWS

All new State Small water systems are required to incorporate and provide copies of the Articles of Incorporation and Corporate Bylaws.

B. PROOF OF RECORDED EASEMENTS

Copies of recorded easements for the well, storage facilities, and water mains are required. Exception: When a private individual owns the system, all facilities are located on his property, and all properties served will continue to belong to him, recorded easements are not required.

C. LIST OF ALL USERS

Provide a list of all known Assessor's Parcel Numbers and/or addresses that are connected to the water system.

D. EMERGENCY NOTIFICATION PLAN

A state small water system must submit an Emergency Notification Plan to be implemented whenever the health authority determines that the water supply fails to meet water quality standards or represents an immediate danger to the health of the user.

4. WELL CONSTRUCTION FEATURES

A construction inspection will be conducted by representative of this Division to determine compliance with required construction features.

The well must meet the following construction criteria:

- Have a concrete slab around the well casing, a minimum of 6-inch thickness, extending 3 feet in all directions from the edge of the well casing.
- Have a screened casing air vent facing downward or a comparable air vent approved by this Division.
- Have an approved backflow prevention device (check valve).
- Have an unthreaded sample tap spigot on the discharge side of the check valve.
- Have a watertight sanitary seal for all cracks, holes, or openings into the well.
- Have a flow meter on the discharge line – NSF 61 approved

Storage and pressure tanks will be inspected. The storage tanks that have overflow piping shall be screened.

All deficiencies must be corrected before the issuance of the water supply permit.

5. WATER QUALITY ANALYSES

A State Certified Laboratory must perform analyses of the water to determine its suitability for domestic use.

The following water quality analyses are required:

- A bacteriological analysis is required for all systems and should be performed just prior to submitting the application packet to the Department. Results of bacteriological analyses more than three (3) months old will not be acceptable. The bacteriological analyses must indicate that no Coliform bacteria are present in the water supply.
- The results of a complete inorganic chemical analysis, including general mineral and general physical, are required of all systems.
- Analysis for uranium is required of all systems to determine the radiological quality of the water.
- Analyses for the pesticides Dibromochloropropane (DBCP) and Ethylene Dibromide (EDB) are required for all water systems located in the San Joaquin Valley basin portion of Kern County.
- *Analyses for the volatile organic compounds, according to EPA Test Method 502.2, may be required for those wells deemed as being especially vulnerable.*

Resampling is required for any constituent which exceeds the drinking water standards and which may cause adverse health effects.

Analyses performed within the last five years will be accepted for all except the bacteriological analysis.