

Appendix 20

Water System locations and Requirements

A. Water Systems

Regulations

Holder shall operate water systems in accordance with Oregon Department of Human Services, Drinking Water Program and Forest Service regulations. Each host at a campground with a drinking water system will be required to have a copy of these regulations. Copies of the State regulations may be obtained at:

Oregon Department of Human Services
Drinking Water Division
PO Box 14550
Portland, OR 97293-0450
<http://oregon.gov/DHS/ph/dwp/rules.shtml>

Copies of Forest Service regulations will be provided by the permit administrator.

General Operations

Forest Service:

The Forest Service will monitor and test all water from the well house at Lake of the Woods.

Forest Service will provide technical advice and assistance when operation and maintenance problems arise.

Maintenance Standards for Water Fountains/Hydrants

- 1) All units and faucets drip free and operating properly,
- 2) Catch basins free of food particles, soap, grease, debris and standing water,
- 3) Painted surfaces clean.

General Standards

Faucets and drains will be cleaned and maintained as needed. Drain areas at faucets and well pumps should adequately drain. Dig out and replace gravel as needed. Also dig out and replace gravel in gray water sumps as needed. Disposal sites for contaminated gravel to be approved by the Forest Service.

Bacteriological Testing

At the beginning of the season the Forest Service will properly flush the water system, exercise all valves, close drains, install faucets if required, properly disinfect the system and take a "Pre-Season, Special" water test. The test shall be analyzed by a State approved laboratory. If the water test meets the requirements then the Holder may open the water system for public use.

Nitrate Testing

The Forest Service will arrange for a State approved laboratory to analyze water for nitrates annually.

System Start-Up, Draining and Winterizing

The holder shall start-up, drain and winterize water systems in campgrounds listed below. Forest Service personnel will assist in this operation in the first year of the authorization. In subsequent years it will be the holder's responsibility, with only consulting help from the Forest Service, to operate the following water systems:

Aspen Campground
Rainbow Day Use Area
Sunset Campground

Holder shall install and remove hydrant faucets at the beginning and ending of each season.

Holder shall install and remove pump handles at the beginning and ending of the season on hand pump systems.

Maintenance

Holder shall perform maintenance to water systems, such as replacing leaking or damaged faucets, repacking pump shafts, replacing broken space heaters in pump houses, replacing lost valve wrenches, repairing hand pumps and hand pump components and maintaining pump houses in clean, sanitary, and orderly condition.

Generally, the holder will furnish all materials, labor, and equipment to maintain the water system within the campground authorization boundary with the exception of repair and replacement listed under Forest Service responsibilities.

The holder shall arrange to perform maintenance to assure the long-term reliability and function of the systems. This includes, but is not limited to, maintaining or replacing line valves, drain valves, air relief valves, valve boxes, pumps, motors, controls, damaged fittings and pipe, broken instruments, circuit breakers, electrical contactors, electrical disconnects, heaters, light bulbs, hand pump handles, cylinders, rods and shrouds. Specific work to be accomplished at each site will be agreed to between parties.

The holder shall furnish all materials, labor and fixtures for general maintenance of the water system within the Authorization boundary.