

September 25, 2024

Mark Harshman
Tu-Tu-Tun Lodge/Four Seasons Resort
96550 N. Bank Rogue River Road
Gold Beach, OR 97444

**Re: Storage (PR#117-2024)
Tu-Tu-Tun Lodge/Four Seasons Resort (PWS ID#91199)
Conditional Approval**

Dear Mark Harshman:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the storage for Tu-Tu-Tun Lodge/Four Seasons Resort. On September 8th, 2024, our office received drawings, product information, additional input and a plan review fee of \$825.

The project includes installation of two new 2,500 gallon poly storage tanks. The new poly tanks will be installed adjacent to existing poly storage tanks and in a parallel flow pattern to existing storage tanks. The new storage has been reviewed in reference to the water system's 4-log disinfection requirements and previously submitted disinfection plan review. The additional storage does not impact the shortest 4-log disinfection path which is controlled by a submersible pump in "Tank 1". The work is located near the Tu-Tu-Tun Lodge which is adjacent to the Rogue River, east of Gold Beach, Oregon.

The plans are approved with the following conditions:

Finished Water Storage:

- A screened vent shall be provided above the highest water level to permit circulation of air above the water in each finished water storage facilities. The submitted information did not demonstrate this requirement met. Demonstrate requirement has been met upon substantial completion of construction. Reference OAR 333-061-0050(6)(a)(L).

- A drain shall be provided at the lowest point in the bottom of the storage facility and an overflow of sufficient diameter to handle the maximum flow into the tank shall be provided at or near the top of the sidewall. The outlet ends of the drain and overflow shall be fitted with angle-flap valves or equivalent protection and shall discharge to a watercourse or storm drain capable of accommodating the flow with a vertical separation between the bottom of the pipe and top of the receiving body or structure. The submitted information did not demonstrate this requirement met. Demonstrate requirement has been met upon substantial completion of construction. Reference OAR 333-061-0050(6)(a)(M).
- The water storage tanks shall have means of accurately determining water levels in the storage tanks. Reference OAR 333-061-0050(6)(a)(R) & (S).
- A silt stop shall be provided at the outlet pipe. The submitted information did not demonstrate this requirement met. Demonstrate requirement has been met upon substantial completion of construction. Reference OAR 333-061-0050(6)(a)(N).
- A fence or other method of vandal deterrence shall be provided around distribution reservoirs. The submitted information did not demonstrate this requirement met. Demonstrate requirement has been met upon substantial completion of construction. Reference OAR 333-061-0050(6)(a)(P).

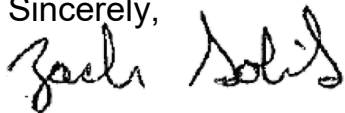
Disinfection of Facilities:

- Following construction or installation of new facilities and repairs to existing facilities, those portions of the facilities which will be in contact with water delivered to users must be cleaned and flushed with potable water and disinfected according to AWWA Standards C651 through C654 before they are placed into service. Disinfection must be by chlorine unless another disinfectant can be demonstrated to be equally effective. The submitted information did not demonstrate this requirement met. Demonstrate requirement has been met upon substantial completion of construction. Reference OAR 333-061-0050(10)(a).
- Submit pathogen sampling (i.e., total coliform, E.coli) following disinfection of all new and impacted water system infrastructure associated with the project. Reference OAR 333-061-0050(10).

Until we receive verification that the conditions have been met and final approval has been issued, the storage is not approved for use. Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans. If substantial changes are made, a set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #117-2024 and can be emailed to me at zachariah.cunningham-golik@oha.oregon.gov.

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,



Zach Golik, PE
Regional Engineer
Drinking Water Services

CC: Kent Downs, DWS Springfield