

September 22, 2025

Waylon Somers - Waylon.Somers@currycountyor.gov
Curry County Parks – Boice Cope Park
94235 Moore Street, Suite 413
Gold Beach, OR 97444

Sent by email

Re: **Ultraviolet Disinfection (PR#2024-128)**
Curry County Parks – Boice Cope Park (PWS ID#94742)
Conditional Approval

Dear Waylon Somers:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the UV disinfection system for Curry Co. Pks – Boice Cope Park. Our office received information from the survey and a plan review fee of \$248.

The project includes the installation of Viqua Pro 20 Class A UV system. The UV unit has a maximum flow rate of 20 gpm, and meets the specifications of NSF Standard 55 Class A. Because the system is a non-community system with no *E. coli* detections in the groundwater source, this unit is acceptable, according to Oregon Administrative Rules (OAR) 333-061-0050 (5)(I).

The plans are approved with the following conditions:

1. No by-pass piping around the treatment unit (OAR 333-061-0050(5)(k)(H)). The photos provided are not clear if there is a by-pass around the UV unit. It looks like there is a by-pass with a shut-off valve, but this is not acceptable. There needs to be a physical separation so no untreated water can be sent inadvertently to the distribution, such as someone unknowingly opening the valve.
2. System must have an upstream valve or device that prevents flow from exceeding the manufacturer's maximum flow rate (OAR 333-061-0050(5)(k)(C)). In the photos provided it was not clear if there was any type of flow restriction to prevent the flow from exceeding 20 gpm. If the flow from the well head pump is restricted to less than 20 gpm, please confirm.

Documentation demonstrating how the above conditions were met should reference Plan Review # 2024-128 and can be emailed to me at rebecca.a.templin@oha.oregon.gov.

In addition to the above requirements, I have the following comments:

- As noted above, the installation of the [model name and number] is acceptable for use at Curry County Parks – Boice Cope Park. If the water system experiences *E. coli* detections at the groundwater source, then this unit may no longer be appropriate, as it is approved only for total coliform issues.
- Please note that UV disinfection does not provide residual disinfection in a distribution system. In the event that coliform bacteria continue to be detected in the distribution system at Coos Co. Pks. – Boice Cope Park, chlorination will be required to maintain an adequate residual in the distribution system.
- The manufacturer notes that lamp replacement should take place every 24 months. The water system's operation and maintenance manual should be updated to include this maintenance schedule.
- One coliform bacteria sample must be taken from the well head's raw water sample tap every calendar year. Since the system is already set up for this, no changes are required.

If you have any questions or concerns, or would like this in an alternate format, please contact me at (541) 650-4868 or send me an email. Your cooperation is appreciated.

Sincerely,



Rebecca Templin, PE
Regional Engineer
OHA-Drinking Water Services
rebecca.a.templin@oha.oregon.gov

cc: Kent Downs, OHA-Drinking Water Services: kent.o.downs@oha.oregon.gov