

May 19, 2025

Justin Read - justin@garlandnursery.com

Garland Nursery
5470 NE Hwy 20
Corvallis, OR 97330

**Re: Nitrate Treatment (PR#2025-18)
Garland Nursery (PWS ID#95554)
Conditional Approval**

Dear Justin Read:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the nitrate treatment for Garland Nursery. On March 11, 2025, our office received site map and spec sheet for the nitrate treatment equipment and a plan review fee of \$248.

The project includes the installation of three Microline Reverse Osmosis Drinking Water System to be installed at 3 locations. The devices are going to be installed at the restroom and sink in the Barn, the Break Room, and the existing house located in the northwest side of the property.

The plans are approved subject to the following conditions:

1. Bypass piping must have a physical gap between pipes that carry treated and untreated water (OAR 333-061-0050(4)(a)(F)). The plans didn't show the set up for each devices, so it wasn't clear if there would be bypass piping installed with the devices. Please confirm there are no bypasses or if there is there is a gap in the bypass.
2. Sampling taps shall be provided before and following the treatment (OAR 333-061-0050(4)(a)(E)). Please confirm there are sample taps before and after each device installed.
3. After installation of the devices please take a nitrate sample after each device to show devices work at reducing nitrate levels.

Until we receive verification that the conditions have been met and final approval

has been issued, the nitrate treatment equipment 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 #2025-18 and can be emailed to me at rebecca.a.templin@oha.oregon.gov.

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

- DWS recommends updating the operations and maintenance manual to include the new nitrate treatment equipment, such as how to dispose of used media, when to change media, etc.
- Once equipment is installed, nitrate will need to be monitored quarterly at each unit for at least one year. If the sample results are reliably below the MCL, then the reduction of the nitrate schedule can be discussed with Scott Kruger with Benton County Environmental Health.
- If additional point-of-use nitrate treatment devices will be needed, please contact DWS to discuss necessary steps. Plan review may be required if using a different type of device than the approved Microline Reverse Osmosis device.
- Currently Garland Nursery is a transient non-community (TNC) public water system. If the system is upgraded in the future to a non-transient non-community (NTNC) or community system, then lead and copper test would be required and should not be taken at the locations where the devices are installed (at taps without treatment).

If you have any questions, please feel free to email me at rebecca.a.templin@oha.oregon.gov or call me at 541-650-4868.

Sincerely,



Rebecca Templin, PE
Regional Engineer
Drinking Water Services

ec: Shawn Stevenson, OHA/DWS, shawn.p.stevenson@oha.oregon.gov
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