



October 5, 2023

Noah Bartelamia  
Lee Farms Market  
Via email: [nbartelamia@gmail.com](mailto:nbartelamia@gmail.com)

**Re: Well (PR#119-2021)  
Lee Farms Market (PWS ID#95659)  
Final Approval**

Dear Noah:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the well for Lee Farms Market. The plan review was initiated in 2021, and a site plan was submitted on August 24, 2023.

Under OAR 333-061-0060(1)(b), submittals must be prepared by a Professional Engineer registered in Oregon, unless exempted by DWS. An exemption was approved for this submittal. Note that by utilizing this exemption, the water system takes full responsibility for the design of the project.

The project includes a well (well ID WASH 1014), drilled to a depth of 265 feet in 1991.

A regional geologist reviewed the well log below-ground construction details and noted the following:

- The well was cased and sealed to a depth of 18 feet. The casing and seal were completed 5 feet into a competent basalt of low permeability. Water can enter the well through the uncased portion of the borehole below a depth of 18 feet.
- The well draws water from a deep confined layered basalt aquifer. The first water-bearing zone is reported to be at 147 feet below ground surface. This water-bearing zone is directly overlain by 134 feet of basalt of low permeability which acts as a confining layer. Water in the aquifer is under pressure, rising 65 feet above the first water-bearing zone to a depth of 82 feet below ground.

- Results from a sensitivity analysis indicate that the well construction has a low sensitivity to local land use practices and the aquifer is not highly sensitive to nearby land use practices.
- A pond is within 500' of the well. Currently, the well is not considered susceptible to groundwater under the direct influence of surface water.

A review of the above ground well features indicates that the well appears to meet construction standards. The chemical and bacteriological results are satisfactory.

Water rights may be required for your water system, depending on how much water is utilized out of each well per day. Oregon's Water Resources Department regulates water rights and can be contacted at (503) 986-0900. Copies of water right permits or exemptions should be provided to DWS.

Final approval is issued at this time, and the facility is approved for use. If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
Drinking Water Services

cc: Steve Wong, REHS, Oregon Department of Agriculture  
Sarah Schwab, REHS, Oregon Department of Agriculture  
Tommy Laird, Well Construction Program Coordinator, Oregon Water Resources Dept