



May 24, 2022

Paul Snegirev
Boones Berry Farm
Via email customplanting@yahoo.com

Re: **Proposed well (PR#73-2022)**
Boones Berry Farm (PWS ID# NEW)
Site Plan Evaluation

Dear Paul:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the proposed well for Boones Berry Farm. On April 29, 2022, our office received a site plan and proposed drilling specifications. A plan review fee of \$825 was received on May 11, 2022.

The project includes drilling a well with a 6" casing to approximately 120 feet for Boones Berry Farm. The site plan submitted appears to show that the water system owns the 100' radius of control around the proposed drilling site.

The site plan also shows several buildings and what appears to be parking within the 100' setback to sanitary hazards. Additionally, the 100' radius encompasses several fields. Note that our construction standards prohibit parking within 100' of the well, along with a prohibition on chemical use, application or storage within that 100' radius. This letter is written with the assumption that parking and chemical use exists within the 100' radius.

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

A regional geologist in our program reviewed the proposed well construction. He noted the following, which should be shared with the well driller:

- The estimated depth to the water-bearing zone is about 70 feet, based on the nearby well log MARI 678.
- The estimated aquifer nature is expected to be confined.
- The estimated depth of the casing seal is 18 feet, or deeper as per Oregon Water

Resources Department standards.

As noted above, there appear to be several hazards present within the sanitary setback. A waiver for the hazards within the sanitary setback cannot be approved prior to drilling a well. If the well is properly drilled into a **confined** aquifer, then OHA/DWS may be able to waive the requirement. If the well is not drilled into a confining aquifer, then OHA/DWS may not be able to approve the well for use by the water system.

Due to the hazards within the sanitary setback, **the site plan/location cannot be approved at this time.** If a properly constructed confined aquifer well is drilled, please submit:

1. The well driller's report (well log).
2. Well pumping test information including static water level, pumping rate, drawdown and rate of recovery.
3. A waiver from construction standards request, using the form here:
<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/DRINKINGWATER/PLANREVIEW/Documents/WAIVER.doc>
4. Pump information.
5. Raw (Untreated) Water Quality Data including coliform bacteria, nitrate and arsenic. These are to be taken from the new well's raw water sample tap at the wellhead.
6. Engineered plans that show the above-well structure detail including the well house, concrete slab, drainage, pump-to-waste piping and plans and specifications for connection of the new well to the water system.

The above items should reference Plan Review #73-2022 and can be emailed to me at Carrie.L.Gentry@dhsoha.state.or.us

Please note that 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.

If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE
Regional Engineer
Drinking Water Services

ec: Chantal Wikstrom, OHA/DWS
Greg DeBlase, REHS, Marion County Health Department
Troy Reynolds, Allseasons Well Drilling, allseasonswd@comcast.net