PUBLIC HEALTH DIVISION
Center for Health Protection, Drinking Water Services
Tina Kotek, Governor

Oregon Health Authority

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June 5, 2024

Paul Scherbak
Director – EH&S Center of Excellence/Wine and Spirits
Via email: Paul.Scherbak@cbrands.com

Re: New Well #2 and Storage Tank (PR #61-2024)
Lingua Franca Winery (PWS ID #95732)
Conditional Approval

Dear Paul:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well and storage tank for Lingua Franca Winery. On April 15, 2024, our office received a site plan, land use compatibility statement, and a plan review fee of $825. The new well (Well #2) was drilled on May 8, 2024 by Skyles Well Drilling.

The project includes drilling Well #2 (Well Tag L152217) to a depth of 183 feet and connecting to the existing pump and treatment building. Water will be treated by two FloWise iron filters, then a Viqua Lightwise – PRO30 UV system for taste and odor control and will be stored in a 10,000 gallon Snyder Industries poly storage tank. Under OAR 333-061-0060(1)(b), submittals must be prepared by a Professional Engineer (PE) registered in Oregon, unless exempted by DWS. A waiver of PE requirements (Waiver ID #487-2024) has been issued. Note that by utilizing this exemption, the water system takes full responsibility for the project.

A wetland area identified on the site plan suggests the presence of surface water within 500 feet of Well #2. A regional geologist in our program reviewed the drillers well log and concluded that the well was properly drilled into a confining aquifer. Well #2 is deemed to have low sensitivity to nearby land use practices and surface water influence. The site plan also shows a private road and parking area within a 100 foot radius of the new well. OHA/DWS approved a waiver (Waiver ID #486-2024) of the construction setback standards under OAR 333-061-0050(2)(a)(D) on the basis of the low sensitivity of Well #2 to nearby land use practices, and demonstration of appropriate natural buffering and sloping of the roadway to prevent surface runoff or hazardous liquid spills from reaching the wellhead.

The plans are approved with the following conditions:

1. Ground-level reservoirs shall be constructed on stable foundation material capable of supporting the structure when full (OAR 333-061-0050(6)(a)(B)). Provide information about how this rule is achieved with the existing storage infrastructure.
2. Internal ladders of durable material shall be provided where the only access manhole is located on the roof (OAR 333-061-0050(6)(a)(K)). Either install a fixed internal ladder in the storage tank or make available a removable ladder to allow for periodic inspection and cleaning.
3. Screened vents shall be provided above the highest water level to permit circulation of air above the water in finished water storage facilities (OAR 333-061-0050(6)(a)(L)). Either install or provide documentation of existing screened air vents on the storage tank.
4. A drain shall be provided at the lowest point in the bottom of the storage tank 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 storm drain capable of accommodating the flow with a vertical separation between the bottom of the pipe and top of the receiving structure (OAR 333-061-0050(6)(a)(M)). An appropriate overflow line must be installed, and the existing drain must be retrofitted to meet the storage tank construction standards. The floor drain in the pump and treatment building may be a suitable receiving structure provided it can accommodate the expected flow of 27 gallons per minute.
5. Following modifications to the existing storage tank, those portions of the tank that will be in contact with water delivered to users must be cleaned and flushed with potable water and disinfected according to AWWA Standard C652. Disinfectant must be chlorine unless another disinfectant can be demonstrated to be equally effective (OAR 333-061-0050(10)(e)).
6. After disinfection, the tank shall be drained after the prescribed contact period and refilled with potable water, and a sample taken for microbiological analysis. If the results of the analysis indicate that the water is free of coliform organisms, the facility may be put into service. If not, the procedure shall be repeated until a sample free of coliform organisms is obtained (OAR 333-061-0050(10)(f)).

Until we receive verification that the conditions have been met and final approval has been issued, the new well and storage tank are not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #61-2024 and can be emailed to me at baxter.call@oha.oregon.gov.

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

If you have any questions, please feel free to call me at 541-393-4374.

Sincerely,

B Call

Baxter Call, P.E.
Regional Engineer
OHA – Drinking Water Services

cc:

File, DWS Portland
Amy Bleekman, REHS, OHA-DWS
Jeff Green, REHS, Oregon Department of Agriculture
Sarah Schwab, REHS, Oregon Department of Agriculture
Tommy Laird, Well Construction Program Coordinator, Oregon Water Resources Department

Enclosures:

Waiver ID #486-2024 – Waiver from Construction Standards