

Tina Kotek, Governor

August 30, 2024

Linda Chmiel
Indigo Cafe
51528 McKenzie Hwy
Vida, OR 97488

**Re: Project Name (PR#85-2024)
Indigo Cafe (PWS ID#95741)
Conditional Approval**

Dear Linda Chmiel:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for Indigo Cafe. On June 13, 2024, our office received the well log, site map and a plan review fee of \$825.

The project includes a new well (L147852) located at 51528 McKenzie Hwy.

The plans are approved with the following conditions:

1. OAR 333-061-0050 (2)(a)(K)(ii) requires wells to have the top of the casing sealed into the pump motor where turbine pumps are installed. Where submersible pumps are installed, the top of the casing shall have a watertight sanitary seal. Please confirm which type of pump is installed in the well and how the well is sealed.
2. OAR 333-061-0050 (2)(a)(K)(iii) requires the casing vent shall be fitted with a screened return bend. Please confirm the status of the casing vent. If the well is equipped with a pitless adaptor, this is not required.
3. OAR 333-061-0050 (2)(a)(K)(v) requires a sample tap to be installed on the pump discharge line.
4. OAR 333-061-0050 (2)(a)(K)(vi) requires the piping of the well to be able to discharge the total flow from the well to waste.

5. OAR 333-061-0050 (2)(a)(K)(viii & ix) requires a reinforced concrete slab be poured around the casing. The slab shall be sloped to drain away from the well and the ground surface around the slab shall be graded to drain away from the well. If the well is equipped with a pitless adaptor, this is not required.
6. OAR 333-061-0050 (2)(a)(K)(x) requires the top of the casing shall extend at least 12 inches above the concrete slab.
7. OAR 333-061-0050 (2)(a)(K)(xi & xii) requires there be provisions made to protect the pump controls and other above-ground appurtenances at the well head. If a wellhouse is installed for this, it shall be insulated, heated and lights provided. The wellhouse shall also be constructed so the well pump can be removed.

In addition to these conditions, the hydrogeologist had the following comments about the well and aquifer:

“The well was drilled to a depth of 144 feet in July 2022. A 6 inch casing extends to a depth of 124 feet. A casing seal was placed to a depth of 19 feet utilizing 10 sacks of bentonite. A 4 inch liner was installed to a depth of 144 feet and is perforated from 124-144 feet. The well construction is considered to meet minimum standards in terms of casing depth, casing seal depth, sealant volume, and annular spacing. Setbacks to sanitary hazards were verified by the OHA Plan Review Engineer. Triggered coliform monitoring shall apply. The well is surficially located what is mapped as glaciofluvial deposits consisting of sand and gravel. The lower portion of the borehole (claystone) appears to only be for storage and not contributing water. The aquifer is considered to be unconfined based on the initial water bearing zone (39 feet) compared to the static water level reported at (39 feet).”

Until we receive verification that the conditions have been met and final approval has been issued, the well 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 #85-2024 and can be emailed to me at rebecca.a.templin@oha.oregon.gov

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

CC: File, DWS
Amy Bleekman, OHA/DWS
Lane County Health Department
Tommy Laird, Oregon Water Resources Department, Well Construction
Lanaya Blakely, Oregon Water Resources Department, District 2