

Tina Kotek, Governor

October 22, 2024

Duaine George Person  
Ashland RV Park  
2925 HWY 66  
Ashland, OR 97520

*sent by email only*

**Re: New Public Water System (PR#125-2024)  
Ashland RV Park (PWS ID#95745)  
Conditional Approval**

Dear Duaine George Person:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the proposed public water system at Ashland RV Park. On October 3<sup>rd</sup>, 2024, our office received drawings and a plan review fee of \$825.

The project includes the construction of a new 26 space RV park. The development will be located on the southeast side of Ashland, Oregon. The new public water system is proposed to be supplied by an existing groundwater well, well log number JACK 56573.

The plans are approved subject to the following conditions:

*Well-*

- The existing well cannot be approved as constructed with the proposed public water system development. The well seal must be brought up to standards or an alternate water source found. The well shall be constructed in accordance with the general standards for the construction and maintenance of water wells in Oregon as prescribed in OAR chapter 690, divisions 200 through 220. The existing wells construction has been reviewed by DWS Hydrogeological staff and the existing wells casing seal was found to not meet the Oregon Water Resource Department's (OWRD) construction standards. Coordinate with the OWRD to reconstruct the well to meet their construction standards. Please reference OAR 333-061-0050(2)(a)(G).
- Public or private roadways may be allowed within 100 feet of a confined well, provided the well is protected against contamination from surface runoff or

hazardous liquids which may be spilled on the roadway. The adjacent Highway 62 is within 100 feet of the roadway and runoff from the Highway 62 appears to drain directly into the property the well is on. For final approval of the groundwater source, coordinate with Highway 62 owner such that runoff from highway cannot drain into the property, affecting the well source of the public water system. Please reference OAR 333-061-0050(2)(a)(D).

- Before the existing well is approved and placed into operation as the source of supply for the proposed public water system, laboratory reports as required by OAR 333-061-0036 shall be submitted by the water supplier to DWS. Please reference 333-061-0050(2)(a)(I).
- The pump installation, piping arrangements, other appurtenances, and well house (if applicable) details at wells which serve as the source of supply for a public water system, shall meet the following requirements:
  - The line shaft bearings of turbine pumps shall be water-lubricated, except those bearings lubricated with non-toxic approved food-grade lubricants may be permitted in wells where water-lubricated bearings are not feasible due to depth to the water;
  - A casing vent shall be provided and shall be fitted with a screened return bend;
  - Provisions shall be made for determining the depth to water surface in the well under pumping and static conditions;
  - A sampling tap shall be provided on the pump discharge line;
  - Piping arrangements shall include provisions for pumping the total flow from the well to waste;
  - A method of determining the total output of each well shall be provided.
  - A reinforced concrete slab shall be poured around the well casing at ground surface. The slab shall be sloped to drain away from the casing;
  - The ground surface around the well slab shall be graded so that drainage is away from the well;
  - The top of the well casing shall extend at least 12 inches above the concrete slab;
  - Provisions shall be made for protecting pump controls and other above-ground appurtenances at the well head. Where a wellhouse is installed for this purpose, it shall meet applicable building codes and shall be insulated, heated and provided with lights, except that where the wellhouse consists of a small removable box-like structure the requirement for lights may be waived by the Authority;
  - The wellhouse (if applicable) shall be constructed so that the well pump can be removed;
  - Wells equipped with pitless adaptors or units are not required to meet the requirements of subparagraphs (2)(a)(K)(iii) and (viii) of this rule.

Please reference OAR 333-061-0050(2)(a)(K).

- Before a well is placed into operation as the source of supply for a public water system, the following documents shall be submitted by the water supplier to OHA:
  - Reports of laboratory analyses on contaminants in the water as required by OAR 333-061-0036;
  - Performance data on the pumps and other equipment;
  - Proposals for disinfection as required by section (5) of this rule, if applicable.

Please reference OAR 333-061-0050(2)(a)(N).

#### *Finished Water Storage-*

- Based on the submitted information, it is not clear the proposed storage tank meets all the required construction standards. Please demonstrate the distribution reservoir for finished water will be constructed to meet the following requirements (reference OAR 333-061-0050(6)):
  - Concrete reservoirs shall be provided with sufficient reinforcing to prevent the formation of cracks, and waterstops and dowels shall be placed at construction joints. Poured-in-place wall castings shall be provided where pipes pass through the concrete;
  - Where ground-level reservoirs are located partially below ground, the bottom shall be above the ground water table and footing drains discharging to daylight shall be provided to carry away ground water which may accumulate around the perimeter of the structure;
  - Finished water storage facilities shall have watertight roofs;
  - Screened vents shall be provided above the highest water level to permit circulation of air above the water in finished water storage facilities;
  - A drain shall be provided at the lowest point in the bottom of the storage facility 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 watercourse or storm drain capable of accommodating the flow with a vertical separation between the bottom of the pipe and top of the receiving body or structure;
  - A silt stop shall be provided at the outlet pipe;
  - A fence or other method of vandal deterrence shall be provided around distribution reservoirs.

- The submitted pre-cast concrete storage tank has no information showing it meets NSF certifications for potable water use. A protective coating may be considered. When interior surfaces of finished water storage tanks are provided with a protective coating, the coating shall meet the requirements of NSF Standard 61: Drinking Water System Components - Health Effects or equivalent.

In addition, I have the following comments:

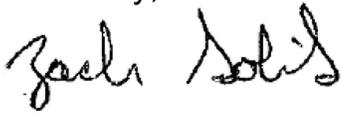
- Where the system facilities and the premises being served are both on the same parcel of property, requirements relating to pipe materials and pipe installation shall comply with the State Plumbing Code. Reference OAR 333-061-0500(8)(d)
- Distribution piping shall be designed and installed so that the pressure measured at the property line in the case of Community water systems, or at the furthest point of water use, in the case of a TNC of the type described in subsection (d) of this section, shall not be reduced below 20 psi. Reference OAR 333-061-0500(8)(e)

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

**has been issued, the new public water system 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 #125-2024 and can be emailed to me at zachariah.cunningham-golik@oha.oregon.gov.

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,



Zach Golik, PE  
Regional Engineer  
Drinking Water Services

CC: Rebecca Templin, DWS Springfield  
Tony George, Jackson County Health Department