

February 6, 2025

Jim Newton, PE, RG, CWRE
Principal – Engineer-Geologist
Cascade Geoengineering, LLC
Via email: newtonjim@hotmail.com

Re: Well 2C (PR#163-2023)
Eagle Crest Resort (PWS ID#01355)
Final Approval

Dear Jim:

On January 30, 2025, our office received additional information for the Well 2C project for Eagle Crest Resort, including a well log, photos of the installation, signed land use compatibility statement, pump test results, and sampling results.

Our regional geologist reviewed the well log construction details for Well 2C (DESC64749). He noted that the well meets current construction standards and is constructed into a confined aquifer composed of layered volcanics of the Deschutes formation. The change in static water level shown on the well log is an indication that the aquifer is under pressure.

Sensitivity analysis results indicates that the well is highly sensitive, and surface water is located within 500 feet. Submitted coliform result was absent for coliform. The well will need to be considered for ground water under the direct influence of surface water (GWUDI) if coliform is repeatedly detected or if E.coli is confirmed in the source.

Final approval is issued at this time, and the facility is approved for use. Please see the monitoring table on the next page. Please work with Jeff Freund (copied on the email that accompanies this letter) on the timing of activation of this well. The schedules will become active once the source is activated.

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

Sincerely,



Carrie Gentry, PE
Regional Engineer
OHA-Drinking Water Services
Carrie.L.Gentry@oha.oregon.gov

cc: Josh Seerup, REHS, OHA/DWS
Jeff Freund, REHS, Deschutes County Environmental Health Services
Brett Limbeck, Eagle Crest Resort, blimbeck@swcc.com

Table 1 –Initial Monitoring for Well #2C (SRC-AC) and Entry Point A (EP-A)				
Year 1				
Sample by the end of the first quarter of operation (after Final Approval)	2nd Quarter of Operation	3rd Quarter of operation	Year 2	Year 3
Sample at the Entry Point (EP-A) to the distribution system served by the new source (after treatment)				
<ul style="list-style-type: none">• Radiological	<ul style="list-style-type: none">• Radiological if initial and first quarter sampling has radiological detections	<ul style="list-style-type: none">• Radiological if initial and first quarter sampling has radiological detections	Annual: <ul style="list-style-type: none">• Nitrate• VOC• SOC	
Lead and Copper Tap Sampling in the Distribution System (to assess impact of the new well on distribution system corrosion*).				
<ul style="list-style-type: none">• Sample at 10 Tier 1 sites (1st 6-months of operation)		<ul style="list-style-type: none">• Sample at 10 Tier 1 sites (second 6 months of operation)	Reduction to 5 tap samples every 3 years is possible depending upon results	
*Changes in water quality due to the addition of a new source may impact the corrosivity of the water, therefore, two 6-month demonstration rounds of lead and copper tap samples at an increased number of 10 Tier 1 sample sites are needed to verify that the well does not adversely contribute to lead and copper corrosion.				