



State of Oregon Department of Environmental Quality

Water Pollution Control Facilities Permit Evaluation

December 3, 2024

Permittee:	Oregon Cascade RV Co-op 865 NE Tomahawk Island Dr #410 Portland, OR 97217 File Number: 127687		
Source Contact:	Karl Kistler	Telephone Number: (508) 525-2835	
Source Location:	56640 McKenzie Hwy, McKenzie Bridge		
County:	Lane		
Permit Writer:	Dan Wiltse	Eugene Office	
Proposed Action:	New	Application No.: 948048	Date Received: 8/28/2024

Introduction

Under Oregon Administrative Rule Chapter 340 Division 071 Section 0130(15) [OAR 340-071-0130(15)], any system or combination of systems located on the same property or serving the same facility with a total sewage flow design capacity greater than 2,500 gallons a day shall be constructed and operated under a renewable WPCF permit issued pursuant to OAR 340-071-0162 from DEQ. It further states that WPCF permits are required for facilities that exceed residential waste strength as defined in OAR 340-071-0100 and aerobic systems that do not meet the requirements of OAR 340-071-0220 and 340-071-0345. Other systems that are not described in OAR 340-071 and 073 may also be considered.

OAR 340-071-0130(16) states that owners of existing systems, except holding tanks, are not required to apply for a WPCF permit until such time as a system repair, correction, alteration, or expansion is necessary.

According to Lane County records, Oregon Cascade RV Co-op was previously known as Hub Trailer park. Historical Lane County septic system records suggest permits were issued between 1974-1998 serving separate areas of the park. In 2022, the onsite wastewater treatment system serving the laundry facility and six RV spaces failed. A WPCF permit is required to repair this system and the applicant is proposing to install a onsite wastewater treatment system sized to serve the needs of the entire park and decommission the older existing standard systems.

This facility is located within the McKenzie sub-basin above river mile 15. Should expansion of the facility, major repair or upgrade of the onsite wastewater treatment system be necessary, the facility is subject to the requirements of the Three Basin Rule, found in OAR 340-041-0350. The rule is intended to preserve or improve the existing high-quality water for municipal water supplies, recreation, and preservation of aquatic life and requires approval from the Environmental Quality Commission to increase the permitted peak daily sewage flow above 5,000 gallons per day. This permit action includes public notice, and subsequent approval from the Environmental Quality Commission prior to permit issuance.

Facility Description

Total Projected Daily Sewage Flow of Facility	7,000 gallons per day
Number of Systems	One
Water Supply	Well (PWS 41 94120)

System #001

Date Constructed	Proposed 2025
System Type	Alternative Treatment Technology (2- AX-100 treatment units)
Projected Daily Sewage Flow	7,000 gpd
Septic Tank Size	7-1,000 gallon septic tanks and 2-1,500 gallon septic tanks, existing. Proposed 2-1,000 dosing septic tanks (with duplex pumps), 1-2,000 gallon commingle tank, 2-3,000 gallon intertied recirculation tanks with triplex pumps & anoxic return, 1-1,500 gallon drainfield dosing tank.
Type of DF	Pressure assisted distribution.
Drainfield (DF) sizing criteria	Refer to the site suitability report issued by Dan Wiltse of DEQ dated February 14, 2024.
Lineal Feet of DF	2,130 linear feet (840 linear feet existing, 1,290 linear feet additional proposed to be installed in 2025).
Facilities Served	11 Mobile Homes, 52 full hookup RV spaces, coin operated laundry facility with four washing machines and a shower facility.

Unique Operating Conditions

- The proposed system is a engineered system using a treatment processes and technology or design with documentation of successful system operation.

Groundwater

- A Groundwater Prioritization Screening worksheet was completed and it was concluded that there is a low potential to adversely impact groundwater. The permittee is not required to sample and monitor the groundwater for potential impacts.

Compliance History

- This is a new source with no compliance history.

PERMIT DISCUSSION

Schedule A – Waste Disposal Limitations for Each System

- The Maximum Daily Peak flow and Influent and Effluent maximum concentration limits are listed for each system.
- All wastewater shall be distributed into a soil absorption facility.
- No substances that would be detrimental to the system or groundwater are to enter the system.
- No activities shall be conducted that could cause an adverse impact to potential beneficial uses of groundwater.

Schedule B – Minimum Monitoring and Reporting Requirements for Each System

- Monitoring parameters and frequencies are based on DEQ’s monitoring matrix.

- An annual monitoring and maintenance report is required to be submitted February 15, of each year.

Schedule C – Compliance Conditions and Schedules

- None.

Schedule D – Special Conditions

- An Operation and Maintenance plan is required within 90 days after system start-up.
- Permittee is required to follow the DEQ-approved Operation and Maintenance Plan.
- The wastewater treatment and dispersal system must be maintained by a maintenance provider certified as defined in OAR 340-071-0100.
- Reporting and resampling requirements within 14 days when there is a concentration limit violation.
- Annual written certification of proper treatment and disposal system operation shall be obtained from a qualified Registered Sanitarian, Professional Engineer, or certified wastewater treatment system operator.
- The system must not cause any adverse impact to groundwater.
- All septage/sludge must be managed by a licensed pumper.
- The drainfield and replacement areas must be planted with grass, maintained and protected.

Schedule F – General Conditions

This Schedule contains General Conditions and Definitions that are applicable to all WPCF permits in Oregon.

Public Participation

- A 30-day public notice is not required for systems with a design flow of less than 20,000 gallons per day pursuant to OAR 340-045-0027(2)(a)(C). However, this permit action requires a review and ‘signoff’ from the Environmental Quality Commission prior to permit issuance. Pursuant to OAR 340-045-0027(3), the Department is moving this permit action to a higher category to address potential public interest prior to presenting to the EQC.