



Permit Compliance Inspection Report

Water Quality Program

Northwest Region Office

A. General Information

Facility Name and Address: Terramar Brewery
5712 Gilkey Ave
Bow WA, 98232

Permit Number: ST0501319

Permit Type: Industrial State Waste Discharge Permit to Ground (Individual)

Permit Effective Dates: January 1, 2020, to December 31, 2024

Inspection Date and Time: January 23, 2025, 9:50 AM to 10:40 AM

Discharge to: Groundwater

Type of Inspection: Announced
Technical Assistance Visit

Weather: 40°F

Photographs Taken: Yes No Samples Taken: Yes No

B. Personnel Information

Ecology Representative(s): Joey Jiang (Lead Inspector)
Christopher Martin (Co-inspector)
Daniele Edelman (Co-inspector)

Facility Representative(s): Chris Barker, Owner
Email: chris@terramarcraft.com Phone: (360) 510-6747
Greg Spore, Operation Manager
Email: greg@terramarcraft.com

Responsible Party/Official: Chris Barker, Owner
5712 Gilkey Ave
Bow, WA 98232
Email: chris@terramarcraft.com Phone: (360) 510-6747

Inspector Signature(s)

Joey Jiang 2/3/2025

Joey Jiang Date

Permit Manager

Christopher Martin 2/3/2025

Christopher Martin Date

Section Hydrogeologist

Reviewer Signature

Maia Hoffman 2/3/2025

Maia Hoffman Date

Permit Manager

C. Facility Description and Background

The Terramar Brewery (facility) is a microbrewery and distillery located on a former brown field site in the town of Edison, WA. Wastewater is generated by removal of processed material (trub), off-spec product, and equipment/facility wash-down. The facility is authorized to apply process wastewater to ground for final treatment under the State Waste Discharge Permit ST0501319.

Ecology recently issued a warning letter (WL) on December 20, 2024. The WL requested the facility to submit a notice of noncompliance for pH exceedance, copy of the laboratory report with each DMR, missing Annual Summary Reports as well as the justification for the frequent use of Non-Report Reasons. The facility has had no discharge since Q1 of 2022. The main goal of this inspection is to provide DMR-related technical assistance and to verify the no discharge status at the facility.

D. Inspection Narrative and Observations

1. Site Walkthrough

Ecology permit managers, Joey Jiang and Danielle Edelman, and Ecology Hydrogeologist, Christopher Martin arrived at the facility around 9:50 am on January 23, 2025, and met with Chris Barker and Greg Spore from Terramar Brewery. We began the walkthrough at the bar and the family dining area. C. Barker then gave us a tour of the kitchen and the mill room where flour is made from scratch. After that, we went to the barrel storage room. The group saw two-floor drains inside the storage room (Photo 1). C. Barker stated these are connected to the “blood tank” outside. The “blood tank” is a 30,000-gallon underground concrete tank where all the wastewater is stored currently (Photo 2 and 3). C. Barker stated all the wastewater is currently stored in this tank and the facility does not apply any wastewater to the ground throughout the season due to the low production numbers. Next to the “blood tank”, we observed two wine barrels on top of the two-chambered 1,000-gallon underground tank (Photo 4). According to G. Spore, the purpose of this tank is to serve as a “catastrophe tank” in case wastewater needs to be diverted before discharging to the “blood tank”. Outside the brew/distillery room, we observed several open-top drum containers with trub and spent yeast inside (Photo 5). G. Spore stated these are picked up weekly for use as chicken and cattle feed.

The group then headed to the land application area (Photo 6). C. Barker walked us to the existing groundwater monitoring wells (Photo 7, 8, 9, 10). Later we walked back inside, and we discussed the compliance issues and answered all the DMR-related questions. J. Jiang informed C. Barker that a 24-hour notice of non-compliance needs to be sent to Ecology for any effluent violation followed by the 5-day written report per permit condition S.3.F. I also showed C. Barker how to attach lab reports and submit annual groundwater reports on WebDMR. We also discussed the possibility of reducing monitoring requirements and annual report requirements in the permit renewal cycle. The group left the facility around 10:40 am.

E. Conclusion and Suggestions

The facility stores wastewater in the 30,000-gallon tank and does not discharge wastewater to the ground. Ecology recommends facility to cover the drum containers collecting trub and spent yeast with lids or store them inside the building to prevent from spilling (Photo 5).

Terramar Brewery
Permit #: ST0501319

If you have any questions or concerns regarding this inspection report, please contact Joey Jiang at joey.jiang@ecy.wa.gov or (206) 507-8283.

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Photo [1] [IMG_0242]

Description: Floor drains inside the barrel storage room.



Photo [2] [IMG_0244]

Description: Manhole cover for the 30,000-gallon "blood tank".



Photo [3] [IMG_0245]

Description: Looking down into the “blood tank”.



Photo [4] [IMG_0246]

Description: Empty barrels on top of two-chamber storage tank next to the “blood tank”.



Photo 5
Description: Plastic containers with solids and spent yeast.



Photo 6 [IMG_0251]
Description: Looking north at the land application area.



Photo 7 [IMG_250]
Description: Groundwater monitoring well MW-1.



Photo 8 [IMG_0252]
Description: Groundwater monitoring well MW-3.



Photo 9 [IMG_0253]
Description: Groundwater monitoring well MW-4.



Photo 10 [IMG_0255]
Description: Groundwater monitoring well MW-2.