

COMPLIANCE SNAPSHOT

Rural Winery Wastewater and Grape Marc Monitoring



MARLBOROUGH DISTRICT COUNCIL

KEY POINTS



79%

Proportion of grapes harvested in NZ



312,812

Tonnes of grapes processed in 2024



21%

Decrease in total tonnage processed in 2024 when compared with 2023



39

Wineries discharge to land in the rural area



1 winery assessed as significantly non-compliant



56%

Of wineries complied with all consent conditions and standards

Snapshot of the 2024 Vintage Monitoring Programme

What was found during the 2024 inspections and annual report Monitoring

Marlborough District Council monitors all wineries which discharge wastewater to land under the permitted activity standards or resource consent. 39 Wineries were inspected onsite during the 2024 vintage (March - April 2024).

The wineries are monitored according to resource consent conditions and/or the permitted activity standards under the proposed Marlborough Environment Plan (pMEP) for the discharge of liquid and solid agricultural waste to land.

Following harvest, many wineries are required to provide an Annual Report which discusses the compliance of each consent condition. A compliance report is provided to all wineries detailing the compliance status for each consent condition or plan rule.

56% of winery wastewater discharges (22 wineries) were rated as compliant with all conditions/rules.

10% of wineries (4 wineries) were rated technically non-compliant

31% of wineries (12 wineries) were rated as non-compliant

3% of wineries (1 winery) was rated significantly non-compliant

Common Areas of Non-compliance:

- > Parameters exceeded
- > Parameters missed from sample analysis
- > Information reported late to Council
- > Ponding and exceeded discharge volumes.

Summary of Compliance Rating System

Results reported in this snapshot reflect the compliance of each permitted activity standard and/or resource consent condition, the lowest rated condition/standard is the overall compliance level. For example, a wastewater discharge consent could have 25 conditions of which 23 are rated compliant (green), 1 is rated technically non-compliant (yellow), and 1 is rated non-compliant (orange) – the consent is rated non-compliant.

Full Compliance	Technical non-compliance	Non-compliant	Significantly Non-compliant
100% compliance with all consent conditions/ permitted activity standards assessed	Non-compliance with condition which are considered to only have minor or no adverse environmental effects. E.g. failure to keep records	Breach of effects based/best practice conditions/rules that cause minor actual or potential environmental effects. E.g. ponding of wastewater remediated immediately.	Significant breach of effects based/best practice conditions/ rules that cause actual or potential environmental effects. E.g. multiple exceedances of parameters or wastewater reaching a waterway.

Winery Wastewater

Winery wastewater consists of water used for:

- Cleaning floors
- Equipment
- Fermentation tanks and barrels



Grape Marc

Grape Marc is the seeds, skins and stalks left once the juice is squeezed from the grapes.



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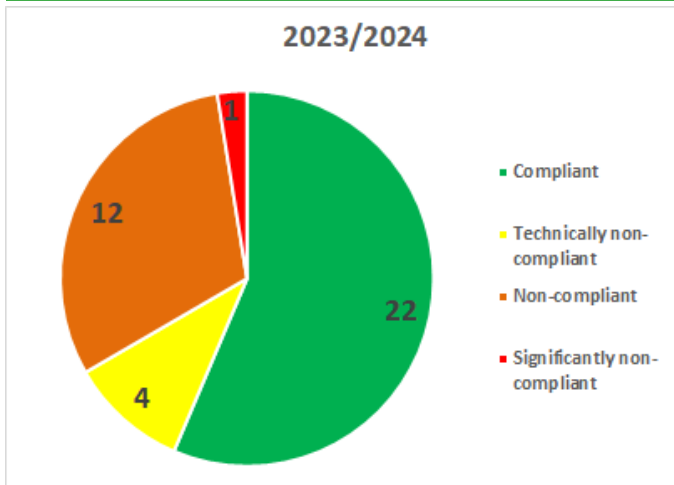
Compliance snapshot

Monitoring for the 2024 vintage was a combination of site inspections (to 39 wineries) and a desktop exercise, both of which relied on each winery to provide detailed and sufficient records to demonstrate compliance.

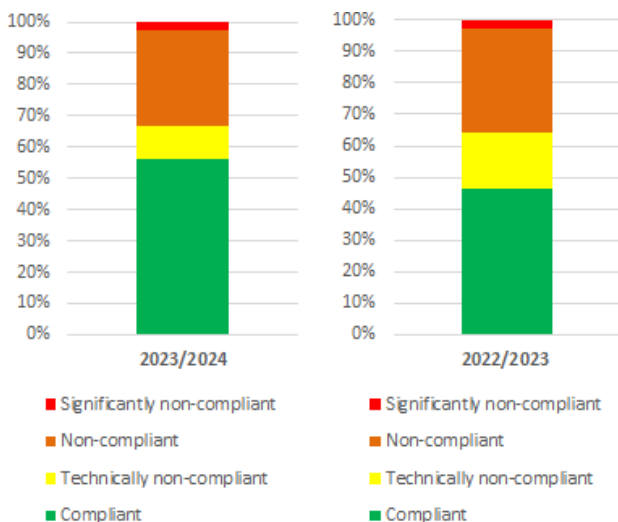
The types of wastewater systems vary throughout Marlborough due to the range in production sizes at each winery. The systems vary from basic settling systems to complex systems using automotive aeration and microorganism selection for treatment.

Wastewater is spread in a variety of locations including in wood lots, under grape vines or on pastoral paddocks. Grape marc is stored in a 'compost' type facility on site at the winery, spread immediately under vines or in pastoral lots or it is sent to other rural locations for stock feed.

Compliance Levels 2024 vintage



Compliance Levels over the last two vintages



Wastewater Spread to Land - examples of compliance and non-compliance from previous surveys



Overwatering causing ponding



Overwatering causing ponding



Low rate application system



Well monitored application

Grape Marc Storage



Grape marc stored to land with no leachate collection



Sealed storage area with leachate collection

For More Information

For more information on compliance and enforcement monitoring undertaken by Marlborough District Council, contact the Environmental Compliance & Monitoring Team

Phone: 03 520 7400
 Email: monitoring@marlborough.govt.nz
 Website: www.marlborough.govt.nz



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