

CASE STUDY



Australian Government
Grape and Wine Research and
Development Corporation



CRUSHER WATER RECYCLING

Yalumba – Oxford Landing Winery and Treasury Wine Estates – Wolf Blass Winery

Barossa Valley, SA

Crusher water recirculation system – Yalumba - Oxford Landing Winery

Yalumba's Oxford Landing Winery recirculates and reuses caustic solution and wash water from the receival bin, crusher, must chiller, fermentation and press area, as shown below (Figure 1). Wash water and caustic solutions are screened then stored after use. Approximately 10% of the water is used for a line flush each day and disposed to wastewater. Recycled wash water is 'blown down' every few days, as it has the potential to ferment if left too long.

Crusher push water recirculation system – Treasury Wine Estates Wolf Blass Winery

At Wolf Blass, crusher push water is recovered via a gravity feed to a poly tank in the crusher pit. The push water can then be reused until it exceeds the maximum baume level, when it is discharged to wastewater.

References

Ide, J. (2007) *Target 1:1 Wine to Water Ratio. Towards Best Practice Through Innovation in Winery Processing*, Australian Society of Viticulture and Oenology Seminar Proceedings.

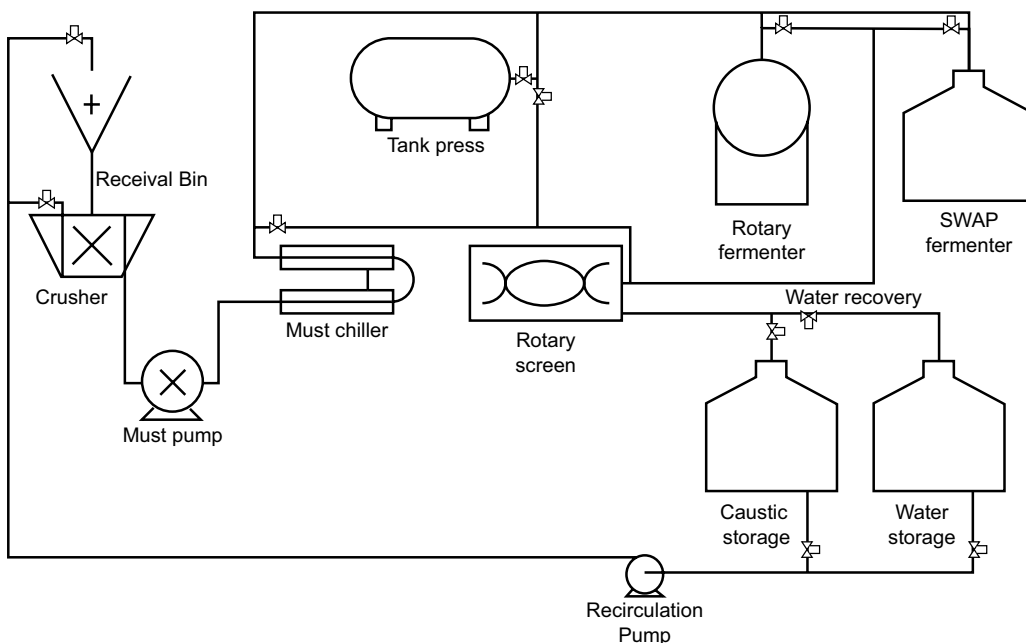


Figure 1: Diagram of the crusher water recirculation system at the Oxford Landing Winery (Courtesy of John Ide, Yalumba Wines).

Acknowledgements

Rohan Wighton, Lachlan McKenzie, Jeff Barter and Peter Boehm, Treasury Wine Estates

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The Oxford Landing rotary screen with the solid waste bin in the foreground.



The caustic and water storage tanks at Oxford Landing.

