

## Winery Resources

Additional information regarding regulatory requirements, BMPs, and other educational materials may be found at the following websites:

[www.cityoflompoc.com](http://www.cityoflompoc.com)

[www.sustainablewinegrowing.org](http://www.sustainablewinegrowing.org)

[www.epa.gov/region09](http://www.epa.gov/region09)

[www.swrcb.ca.gov](http://www.swrcb.ca.gov)

[www.countyofsb.org](http://www.countyofsb.org)

[www.agwatershedcoalition.org](http://www.agwatershedcoalition.org)

[www.ccwga.org](http://www.ccwga.org)

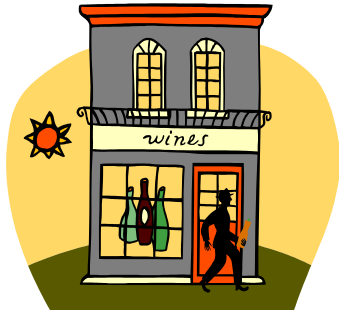
[www.avf.org](http://www.avf.org)

[www.ngwi.org](http://www.ngwi.org)

[www.wineinstitute.org](http://www.wineinstitute.org)

## Regional Board

Wineries shall contact the Regional Board when proposing to discharge wastewater other than to the City's sanitary sewer [e.g., irrigation for vineyards, (Order No. R3-2008-0018)]. The City reminds wine makers that winery waste is prohibited from entering the stormdrains or other locations (e.g., washing barrels or bins outside).



## Environment

Implementing winery BMPs along with regulatory requirements are important roles in protecting the environment. The City acknowledges the local wineries contributions to protect our environment for future generations.



## Contact Us

Please contact the City of Lompoc, Wastewater Division if you have questions.

### Office Hours:

Monday-Friday

7:00am-3:30pm



**CITY OF LOMPOC  
UTILITIES DEPARTMENT  
WASTEWATER DIVISION**

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**CITY OF LOMPOC  
UTILITIES DEPARTMENT  
WASTEWATER DIVISION**

## Best Management Practices for Wineries



Tel: (805) 736-5083  
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# Best Management Practices



Best Management Practices (BMPs) are used to minimize waste produced and the amount of energy consumed. Winery BMPs include (but are not limited to):

- Using pressure washers and spray nozzles to conserve water
- Using ozonated water for cleaning when possible
- Sweeping and/or squeegeeing the floor instead of using water
- Using steam instead of hot water for bottling
- Cascade washing of bins
- Removing solids from entering the treatment system (e.g., less bentonite or diatomaceous earth)
- Using automatic cleaning systems that combine high pressure and hot water in an automated system in place of spray balls.

Additional BMPs may be required as needed.

# Winery Waste

Winery waste is defined as any byproduct of winemaking operations. Winery waste includes, but is not limited to: pomace (e.g., grape skins, stems, and seeds), lees (wine sediment), tank, barrel, bottle, floor, and crush pad wash water (which may contain sterilization and/or preservation chemicals), and water softener waste brine. “Typical” raw winery wastewater has the following characteristics:

Parameter	Units	Crush Season Range	Non-Crush Season Range
pH	—	2.5-9.5	3.5-11
BOD <sub>5</sub>	mg/L	500-12000	300-3500
Dissolved	mg/L	0.5-8.5	1.0-10
Settleable Solids	mg/L	25-100	2-100
Total Suspended Solids	mg/L	40-800	10-400
Total Nitrogen	mg/L as N	1-40	1-40
Nitrate	mg/l as N	0.5-5	—
Phosphorus	mg/L	1-10	1-40
Sulfate	mg/L	10-75	20-75
Total Dissolved Solids	mg/L	80-2900	80-2900
Sodium	mg/L	35-200	35-200
Chloride	mg/L	3-250	3-250

Values taken from General Waste Discharge Requirements Order No. R3-2008-0018.



# Local Limits

The City of Lompoc has local limits in place to protect the waters of the United States, wastewater collection system, and the wastewater treatment plant. Constituents in winery waste that may be subject to the City’s local limits include (but are not limited to):

Constituent	Units	Concentration
Chloride	mg/L	250
pH	—	6-9
Total Dissolved Solids	mg/L	1100

City of Lompoc, Wastewater Ordinance, Section 3365.

# Winery Classifications\*

**Small wineries are defined as:**

- A) ≤ 160 tons of grapes processed, or
- B) ≤ 10,000 cases of wine, or
- C) ≤ 26,000 gallons of pressed wine per year.

**Large wineries are defined as:**

- A) ≥ 160 tons of grapes processed, or
- B) ≥ 10,000 cases of wine, or
- C) ≥ 26,000 gallons of wine.

\*Winery classification as defined by Region 3 of the Regional Water Quality Control Board (Order No. R3-2008-0018).



≤ = less than or equal to  
 ≥ = greater than or equal to