

HOLD & HAUL FOR WINERY PROCESS WASTEWATER MANAGEMENT

These Hold & Haul guidelines shall address specific issues and design criteria for wineries choosing to implement a Hold & Haul system in lieu of installation of an on-site process wastewater system.

These Hold & Haul guidelines are designed to provide requirements and guidance to wastewater design consultants on design standards, installation parameters, and operation and maintenance requirement for wineries proposing to utilize holding tanks as the primary means of process wastewater management.

GENERAL REQUIREMENTS:

- A licensed civil engineer or REHS shall design all Hold & Haul systems. A plan submittal and review by this department is required.
- All wineries proposing to use Hold & Haul as their process wastewater management system, shall obtain approval by the Napa County Conservation, Development, and Planning Department (CDPD) either by the Use Permit process or other means approved by the CDPD.
- An approved onsite sewage disposal system shall be designated on the parcel(s) for the winery process wastewater as a reserve area.
- Holding tank(s) shall be installed under a construction permit from this department.
- All holding tanks shall be operated under a valid operating permit issued by this department.
- Wineries shall contract with an approved septage hauler permitted with the Napa County Department of Environmental Management.
- A copy of the contract shall be provided to this office.
- A supplemental application shall be completed prior to issuance of an operating permit.

DESIGN STANDARDS:

General:

- All tank systems shall be designed to prevent odors. Odor control (aeration, etc) may be required to meet this requirement.
- Holding tanks shall have a high water alarm. The high water alarm shall be located at 70% of the volume of the tank(s). High water alarms shall be an audible/visual alarm located within 25 feet of a regularly occupied building or other visible location approved by this department.
- The tank system shall have a minimum size to store 7 days of peak wastewater flow.

Below Grade Installation:

- All below ground tanks shall be IAPMO approved septic tanks.
- All tanks shall be tested for water tightness prior to use.
- All access openings on septic tanks shall have risers extended a minimum of two (2) inches above the finished grade.
- All risers shall be of durable construction, manufactured specifically for their intended use, and approved by this department. All risers shall be securely attached by means of a watertight collar and/or other applied sealant material applied according to the manufacturer's instructions. All risers shall be fitted with gastight, watertight, vermin proof, securely fastened covers that are removable with standard hand tools

Above Ground Installation:

- All above ground tanks shall be approved for storage of process wastewater by an independent testing organization (NSF, EPA, etc).
- Inlet piping into the tank shall be air gapped, have a check valve, or installed to gravity flow into the holding tank.
- For above ground tanks, the outlet port shall have a shut off valve and the valve shall be equipped with a lock.

Above ground tanks shall have a secondary containment complying with the following:

CONTAINMENT VOLUME:

Secondary containment for a single container (tank) must be 110% of the primary container.

Secondary containment for multiple tanks shall be 150% of the largest tank's volume.

All secondary containment systems open to rainfall must be able to hold 4.5 inches of rainfall in addition to the required secondary containment volume.

CONTAINMENT CONSTRUCTION:

Secondary containment must be constructed using materials capable of containing a spill or leak for at least as long as the period between monitoring inspections. Constructed secondary containment systems, i.e., poured pads with berms, must be tested to assure that they are leak tight. Approved coatings must be applied to secondary containment surfaces when spills or leaks would damage or penetrate the uncoated secondary containment system.

CONTAINMENT DRAINAGE:

Uncontrolled drainage from a secondary containment system is not allowed. Only accumulated rainwater may only be released from a

secondary containment system after it has been determined to be uncontaminated. Secondary containment systems may be covered to prevent rainfall from entering. The drainage system must be kept closed or pumps turned off unless the drainage process is monitored.

REPORTING REQUIREMENTS:

Pumping records shall be submitted to this department every 3 months. A flow meter shall be installed on the process water supply or other location to measure the amount of wastewater generated. This will be use to assure that all wastewater generated is pumped by the septage hauler. Pumping records shall be kept for a period of 5 years.