

INTER-OFFICE MEMO



TO: Conservation, Development, and Planning Department

FROM: Gabrielle Avina, Fire Department

DATE: July 5, 2008

SUBJECT: Materra Winery Use Permit Comments
Apn: 036-160-003 P08-00428

Site Address: 4324 Big Ranch Rd. Napa

The Napa County Fire Marshal staff has reviewed the Use Permit application to construct approximately 20,000 square feet of new winery facilities. We recommend the following items be incorporated as project conditions if the project is approved.

1. **All construction and use of the facility shall comply with all applicable standards, regulations, codes and ordinances at time of building permit issuance.**
2. The minimum required fire flow for the protection of the proposed project is 400 gallons per minute for 60 minutes duration at 20 pounds residual water pressure with a water storage volume of 12,000 gallons. The fire flow has been reduced by 50% because the winery will be protected by an automatic fire sprinkler system. The fire flow and storage volume in a sprinklered building is in addition to the water demand for the sprinkler system.
3. An approved automatic fire sprinkler system will be required for all proposed structures 3,600 square feet or greater. The fire sprinkler system shall be installed and maintained in accordance with the *National Fire Protection Association Standard (NFPA) #13 (Installation of Sprinkler System, 2002 edition)*. A minimum of 60 minutes of water storage for the sprinkler system will be required.
4. A fire pump may be required to meet the fire flow requirements. The fire pump shall be installed and maintained in accordance to the *National Fire Protection Standard #20 (Installation of Stationary Pumps for Fire Protection 2002 edition)*. Fire pumps are required to be listed and tested by an approved testing agency and are required to be either diesel driven or electric. Electric fire pumps also require a secondary power source.
5. The private fire service mains shall be installed and maintained in accordance with

the *National Fire Protection Standard # 24 (Installation of Private Fire Service Mains and Their Appurtenances 2002 edition)*.

6. The location, number and type of fire hydrants connected to the water supply shall be in accordance with the *California Fire Code, 2007 edition*. A fire hydrant will be required within 250 feet of all exterior portions of the structure.
7. All post indicator valves, control valves, waterflow devices and fire pumps shall be monitored by an approved remote station or central alarm monitoring company. Digital alarm communicator system panel shall be installed and maintained in accordance with the *National Fire Protection Standard #72 (Fire Alarm Code, 2002 edition)*.
8. Fire apparatus access roads shall be provided to within 150 feet of all exterior portions of the structures.
9. Access roads from the public and/or private right-of- ways to the project/ building site shall comply with Napa County Road and Street Standards and shall be reviewed by the Napa County Public Works Department.
10. Fire apparatus access roads shall be cleared of flammable vegetation on 10 feet of each side of the roadway. Dry grass shall be cut to less than 4" in height, ladder fuel from trees shall be removed up to 8', brush shall be cut or removed and all dead fuel shall be removed.
11. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be provided with a surface so as to provide driving capabilities in all weather conditions. Said access shall be provided prior to any construction or storage of combustible materials on site.
12. A defensible space zone shall be created around all structures. This defensible space zone shall be 100' from all portions of a structure. Flammable vegetation shall be removed and/or modified in the defensible space zone to create a fuel break that will help protect the structures from an encroaching wildland fire and will protect the surrounding wildland areas from a structure fire originating on-site.
13. A rapid emergency key entry system shall be installed at an approved location by the Napa County Fire Marshal's Office on any proposed gates accessing the property.
14. The approved address numbers shall be placed on the building by the applicant in such a position as to be plainly visible and legible from the street or streets fronting the property and shall be placed as to be seen from all entrances. Proposed address shall be indicated on the elevation drawings contained within the building plan

plan submittal. The address numbers shall be a minimum of 4" in height, contrasting in color with their background and shall be illuminated.

15. An approved access walkway shall be provided to all exterior doors and openings required by either the California Building Code or California Fire Code. A concrete walkway or other approved hard surface will meet the intent of the access walkway requirement. Adequate space adjacent to the access walkway, vertically and horizontally, shall be provided to allow firefighters to access required building openings in order to effectively perform rescue operations and allow for equipment maneuverability. Any landscaping adjacent to the access walkway shall be such that it does not obstruct the functional purpose of the walkway upon maturity.
16. An approved project sign shall be placed at vehicle access points into the project during construction to assist emergency responders. The sign shall identify the project name and address. Such signs shall be clearly visible and legible from the street fronting the project.
17. The applicant shall properly identify all required fire lanes. Fire lanes shall be painted red with white letters to read "NO PARKING FIRE LANE CVC 22500.1, stenciled every 30 feet on top of the curb.
18. A Knox cabinet will be required to allow emergency vehicle access to the site. Because an alarm system is required the Knox cabinet will require "tamper monitoring".
19. The Knox cabinet shall have one or all of the following items placed in the Knox cabinet, dependant on requirements of this facility:
 1. A minimum of 2 master keys to the structure(s) for emergency access.
 2. 2 scaled site plans of the facility, identifying all buildings, hydrants, fire department access around the facility, and location of all water, electric, and gas shut-off valves.
 3. 2 scaled floor plans of all structures showing doors, offices, etc.
 4. **A digital file of the site plans in a PDF format must be submitted at building final in addition to the hard copies listed above.**
 5. Napa County Hazardous Materials Business including all MSDS forms, etc.
20. A complete set of Building Plans shall be submitted to the Fire Department for review and approval for egress requirements. **The submitted plans show only one exit for the proposed basement of the tasting room. The basement area will require a minimum of two exits.**
21. The request for beneficial occupancy will not be considered until all fire and life safety issues have been installed, tested and finalized.

22. Barricades shall be provided to protect any natural gas meter, fire hydrant, or other fire department control device, which may be subject to vehicular damage. Approved signs may be required to identify the location of fire protection devices.
23. Technical assistance in the form of a fire protection engineer or consultant acceptable, and reporting directly, to the NCFD shall be provided by the applicant at **no** charge to the County for the independent peer review of alternate methods proposals.
24. Plans detailing compliance with the fire and life safety conditions-of-approval shall be submitted to the Napa County Fire Marshal's Office for review and approval prior to building permit issuance and /or as described above.
25. A digital file of the site plans in a PDF format must be submitted at building final in addition to the hard copies listed in the condition describing the contents of the Knox Box.