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Water System Feasibility Report for Honig Vineyard and Winery

**850 Rutherford Road
Rutherford, CA
APN 030-090-003**



September 1, 2011
Revised December 15, 2011

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DEPT. OF
ENVIRONMENTAL MANAGEMENT

Honig Vineyard and Winery is applying for a Use Permit Modification to increase the number of employees and visitors. This report has been prepared to address the feasibility of becoming a Non-Transient Non-Community Water System for review at the Use Permit level.

The subject property currently has two wells, Well 001, and Well 002. Well 001, which was installed in 2006 serves the domestic water supply for the existing winery facility (see attached Well Completion Report) and two residences on site. Well 002 serves the irrigation needs of the 49.72 acres of planted vineyard.

The following is an abbreviated TMF Capacity Summary to assist in the review of this proposed new water system:

1. The Water System will be named:
 - a. Honig Vineyard and Winery Water System
2. This report is being prepared by Tamara Martin, REHS of RAM Engineering.
3. Technical Capacity:
 - a. The system currently consists of a well, a 3,000 gallon water storage tank, and then distribution to the winery buildings. There is currently a water softener that serves the administration buildings and laboratory tasting room, but it does not serve any of the production areas. Analytical and Bacteriological results for Well 001 are attached for your reference.
 - b. Based on the Phase 1 Water Availability Analysis for Honig Vineyard and Winery, the projected annual water usage is 11,130,045 gallons or 34.16 acre feet per year. Well 001 is expected to more than adequately meet these projected water usage needs over the next 10 years.
 - c. Well 001 has been constructed with a 75' annular concrete seal, a 2' x 2' concrete pad, and is expected to comply with the surface water treatment rule. (see attached well log)
 - d. The well is estimated to yield 100 gallons per minute. This capacity will clearly accommodate 3 gpm for each connection over a 24 hour period.
 - e. The water quality lab results currently available for Well 001 do not show need for any treatment. While there are some additional analytical results needed for a Non-Transient Non-Community Water System, based on preliminary results available, it is safe to assume that the water quality will comply with drinking water standards. A T1 Certified Operator will be coordinating with a laboratory for the additional water quality analytical results needed prior to the application submittal for the NTNC Water System.
 - f. It is not planned, nor financially feasible, to consolidate with any other public water systems.
4. Managerial Capacity:
 - a. The proposed NTNC water system will be managed by a T1 Certified Operator.
 - b. The well is located on the subject property which is owned by Honig

Vineyard and Winery (see attached Well Completion Report)

5. Financial Capacity:

- a. No revenue will be generated by this Non-Transient Non-Community Water System. The cost of operating this system will include routine maintenance, required quarterly sampling, and an annual operating permit issued by NCDEM. The projected cost of routine maintenance for a water softener is approximately \$150 year. Based on monthly water quality testing at \$45 per analysis, the annual cost for sampling would be \$540. The Napa County Department of Environmental Management charges \$551 per year for an Annual Operating Permit. Consequently, a five year Budget Projection shows a cost of \$1,241 per year or \$6,205 for the next five years total.