

Project: F-148
UP Mod

DELTA CONSULTING & ENGINEERING
OF ST. HELENA

June 25, 2008

Christine Sechelli
Napa County Department of Environmental Management
1195 Third Street, Room 101
Napa, CA 94559

RECEIVED

JUL 02 2008

NAPA CO. CONSERVATION
DEVELOPMENT & PLANNING DEPT.

Re: Dual Waste Water Pond
Alpha Omega Winery
1155 Mee Lane
St. Helena, CA
NCAPN: 030-080-046

Dear Ms. Sechelli:

The purpose of this letter is to outline the phasing of the expansion of the existing facultative pond located at Alpha Omega Winery. The intent is to match the pond expansion phasing with the production expansion of the winery. The production expansion is tied to a modification of the Use Permit and subsequent building permits for the winery expansion. In general, the Use Permit modification is to request an expansion of annual wine production from 22,000 cases to 60,000 cases and allow for daily visitation of up to 500 guests.

Currently, the winery utilizes a 166,000 gallon facultative pond and aeration to clarify the process waste from the winery. The pond, in its current configuration, can adequately treat approximately 3,950 gallons per day.

To support the winery expansion, we prepared and submitted a Report of Discharge to Blair Allen of the Bay Area Regional Water Quality Control Board proposing to combine and treat the domestic and winery process wastewater in an expanded facultative pond. The Report of Waste Discharge (ROWD) for Alpha Omega Winery dated March 14, 2008 was forwarded to Sheldon Sapoznik on March 17, 2008 for County review. Mr. Allen has given his approval to the proposed pond as described in our report.

The reconfigured wastewater pond, as designed and explained in the ROWD, is sized to provide settling and aerobic/anaerobic digestion for process wastewater produced from the generation of 60,000 cases of wine per year and domestic wastewater generated from 500 visitors and 35 employees per day (called 'Phase B'). Based on the Phase B winery production and visitation levels below, we estimate the maximum daily effluent flows to be:

Process Wastewater:	4,720 gallons per day
Domestic Wastewater:	2,025 gallons per day

These flow quantities are reflected in the ROWD.

As the winery will be ramping up toward the Phase B level, the owners have submitted a revised project description prepared by the Law Offices of Lester Hardy dated June 2008 to the Planning Department. The project description outlines the following two phases:

Phase A (Ramp Up Phase)

1104 ADAMS STREET, SUITE 203 - ST. HELENA, CALIFORNIA 94574
707-963-8456 TELE + 707-963-8528 FAX

- 19 full-time employees
- 6 part-time employees
- 10 additional employees during harvest
- Maximum of 500 visitors per day (only 450 during harvest)
- Wine production of 22,000 cases per year (current approved level and increasing annually as market conditions dictate).

Phase B (Steady State Phase)

- 19 full-time employees
- 6 part-time employees
- 15 additional employees during harvest
- Maximum of 500 visitors per day (only 450 during harvest)
- Wine production of 60,000 cases per year.

We have evaluated the wastewater generated from the Phase A. The maximum daily flow is approximately 3,635 gallons. Comparing this maximum daily flow to the current ponds ability to treat 3,950 gallons per day, the existing pond configuration will adequately treat the effluent to meet the discharge standards and requirements of the State. The existing pond can adequately treat wastewater produced during Phase A along with an increase in wine production up to 22,000 cases per year.

The pond should be reconstructed to meet the volume requirements as described in the ROWD when the expansion of the winery production occurs. During construction of the expanded pond, the winery shall utilize hold and haul for the daily effluent produced from the winery operations, visitors, and employees.

In conclusion, the current wastewater pond is sized adequately to meet the Phase A wastewater demand and shall be reconstructed per our approved ROWD when any expansion of wine production occurs beyond the current wine production level of 22,000 cases.

If you have any questions or comments, please let me know.

Sincerely,



Andrew Simpson, P.E.
Principal