EXHIBIT D

Attachment D

PHASE I WATER AVAILABILITY ANALYSIS

File #: P_____ Owner: Vintage Wine Estates Parcel #: __047 ___280 ___017 ___

This form is intended to help those who must prepare Department will not accept an analysis that is not on the	• • •
BACKGROUND: A Phase I Water Availability Analysis is donuse will occur on a property as a result of the project. Stathe project may have a adverse effect on groundwater le required. You will be advised if additional information is need to be advised in the project.	aff uses this information to determine whether evels. If it may, additional information will be
PERSONS QUALIFIED TO PREPARE: Any person that can pro	vide the needed information
PROCEDURE: <u>STEP 1:</u> Prepare and attach to this form an 8-1/2"x11" site structures, gardens, vineyards, etc in which well water to	
Multiply by parcel location factor $x = 0.5$ ac	ent for your parcel(s). cre(s) cre-foot per acre per year (see back) cre-foot per year
STEP 3: Determine the estimated water use for all viney planned conversion; actual water usage figures may (please indicate if this is done). Estimate future use for thereafter	be substituted for the current usage estimate
Current Usage:	
Multiply by number of vines/acre x 1089 v Multiply by gallons/vine/year x 90 g	acres vines per acre gallons of water per vine per year af of water per yr used for vineyard irrigation
Future Usage:	, , , , , ,
47	acres
4004	vines per acre
	gallons of water per vine per year (long-term) gallons of water per vine per year (establish)
Divide by 325,821 gallons/af = 14 18	af of water per yr used (vineyard long-term) af of water per yr used (vineyard establish)
STEP 4: Using the guidelines on the next page, actual was projections, tabulate the existing and projected future year (af/yr) {1 af = 325,821 gallons}.	
Existing Usage: F	uture Usage:
Residentialaf/yr R	Residentialaf/yr
Farm Labor Dwellingaf/yr F	arm Labor Dwellingaf/yr
Wineryaf/yr W	Vineryaf/yr
	Commercialaf/yr
Vineyard(long-term) <u>85</u> _af/yr V	/ineyard(long-term) ⁹⁹ af/yr

" (estal	olish)af/yr	" (estal	olish)	18	_af/yr
Other Agriculture	af/yr	Other Agriculture		af/yr	
Landscaping	af/yr	Landscaping		af/yr	
Other Usage	af/yr	Other Usage		af/yr	
TOTAL	85af/yr	TOTAL	99	af/yr	

STEP 5: Attach all supporting information that may be significant to this analysis including but not limited to all water use calculations for the various uses listed

Parcel Location Factors

The allowable allotment of water is based on the location of your parcel. Valley floor areas include all locations on the floor of the Napa Valley and Carneros Basin except for groundwater deficient areas. Groundwater deficient areas are areas that have been determined by the Department of Public Works as having a history of problems with groundwater. All other areas are classified as Mountain Areas. Public Works can assist you in determining your classification.

Parcel Location Factors

Valley Floor
Mountain Areas

1.0 acre foot per acre per year
0.5 acre foot per acre per year
Groundwater Deficient Area (MST)

0.3 acre foot per acre per year

Guidelines For Estimating Water Usage:

Residential:

Single Family Residence 0.5 acre-foot per year

Farm Labor Dwelling 1.0 acre-foot per year (6 people)

Second Unit 0.4 acre-foot per year Guest Cottage 0.1 acre-foot per year

Winery:

Process Water 2.15 acre-foot per 100,000 gal. of wine Domestic and Landscaping 0.50 acre-foot per 100,000 gal. of wine

Commercial:

Office Space 0.01 acre-foot per employee per year Warehouse 0.05 acre-foot per employee per year

Agricultural:

Vineyards

Irrigation only
Heat Protection
Frost Protection
O.25 acre foot per acre per year
0.25 acre foot per acre per year
0.25 acre foot per acre per year
4.0 acre-foot per acre per year
4.0 acre-foot per acre per year
4.0 acre-foot per acre per year

Livestock (sheep or cows)

0.01 acre-foot per acre per year

Landscaping:

Landscaping 1.5 acre-foot per acre per year

STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER PERMIT_____20739

Application 29391 of Clos F	Pegase Winery			·			
1060 Dunaweal Lane, Calistoga, CA 94515							
filed on <u>December 23, 1988</u> Control Board SUBJECT TO VESTED F		approved by the					
Permittee is hereby authorized to divert	and use water as f	follows:					
1. Source:			Tributar	y to:			
(1) Carneros Creek		Napa-River	thence				
		San Pablo B	ay				
(2, 3) Unnamed Streams		Mud Slough	thence				
		Napa River					

2. Location of point of diversion:		40-scre subdi of public lan or projection	vision d survey thereof	* Section	Town ship	Range	Base and Meridian
Diversion to Offstream Storage North 650 feet and East 650 feet from the	SW corner of	SW4 of SW4		29	5N	4W	MD
Diversion to Offstresm Storage North 650 feet and East 650 feet from the sprojected Section 29 Storage, Rediversion and Diversion to Offs Reservoir \$1 South 650 feet and West 350 feet from the 1 projected Section 31	tream Storage, NE corner of	NE% of NE%		31	5N	4W	MD
Storage and Diversion to Offstress Storage North 1,500 feet and East 100 feet from the projected Section 32		NW% of SW%		32	5N	4W	MD
Offstresm Storage, Reservoir #3		NE% of NE%		31	5N	4W	MD
					1		
					†		
County of Name							
County of Napa			·	* Proje	cted		
3. Purpose of use:	4. Place of use	:	Section	Town-ship	ange 1	Base and Seridian	Acre
SKE ADDENDUM							

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The place of use is shown on map on file with the State Water Resources Control Board.

Permit 20739

* Projected

3. Purpose of use:	4. Place of use:	* Section	Town- ship	Range	Base and Meridian	Acre
Fire Protection						
Recreation	3 Reservoirs within	31	5N	4W	MD	
	NE's of SE's	31	5N	4W	MD	
	NW4 of SW4	32	5N	4W	MD	
Irrigation	SW4 of SW4	29	5N	4W	MD	20
	SEL of SEL	30	5N	4W	MD	18
	NE4	31	5N	4W	MD	128
	Eiz of NWK	31	5N	4W	MD	7
	NW4 of SE4	31	5N	4W	MD	5
	E's of SE's	31	5N	4W	MD	30
	W1₂ of SW1₄	32	5ท	4W	MD	25
	NW4	32	5N	4W	MD	110
	NW4 of NE4	32	5N	4W	MD	5
Historia de la companya de la compa	SWI4 of NEI4	32	5N	4W	MD	7
					TOTAL	355
						·

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5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed a total of 147 acre-feet per annum to be collected from November 1 of each year to April 30 of the succeeding year as follows: 49 acre-feet per annum in Reservoir #1, and 49 acre-feet per annum in Reservoir #2 and 49 acre-feet per annum in offstream Reservoir #3. (0000005)

This permit does not authorize collection of water to storage outside of the specified season to offset evaporation and seepage losses or for any other purpose.

(000005I)

The maximum rate of diversion to offstream storage shall not exceed 4.5 cubic feet per second. (000005J)

- 6. The amount authorized for appropriation may be reduced in the license if investigation warrants. (0000006)
- 7. Construction work shall begin within two years of the date of this permit and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted, this permit may be revoked. (0000007)
- 8. Construction work shall be completed by December 31, 1996.

(0000008)

9. Complete application of the water to the authorized use shall be made by December 31, 1997.

(0000009)

- 10. Progress reports shall be submitted promptly by permittee when requested by the State Water Resources Control Board until a license is issued. (0000010)
- 11. Permittee shall allow representatives of the State Water Resources Control Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this permit. (0000011)
- 12. Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust. (0000012)

- 13. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Resources Control Board if, after notice to the permittee and an opportunity for hearing, the Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.
- 14. Permittee shall install and maintain an outlet pipe of adequate capacity in each dam as near as practicable to the bottom of the natural stream channel in order that water entering Reservoirs No. 1 and No. 2 which is not authorized for appropriation under this permit can be released. Before starting construction, permittee shall submit plans and specifications of the outlet pipes to the Chief of the Division of Water Rights for approval. Before storing water in the reservoirs, permittee shall furnish evidence which substantiates that the outlet pipes have been installed in each dam. Evidence shall include photographs showing completed works or certification by a registered Civil or Agricultural Engineer. (0050043)
- 15. For the purpose of determining the amount of water diverted and used under this permit, permittee shall install and maintain devices satisfactory to the State Water Resources Control Board, at each point of diversion as specified in the permit. Permittee shall keep records of all water diverted and used under this permit and summarize such diversions and use in the annual progress report by permittee. (0060046)
- 16. Permittee shall allow a designated representative of Carneros Hills Wine Company and Robert A. and Karen I. Mueller and all successors in interest, reasonable access to each reservoir for the purpose of verifying staff gage readings and determining water levels in the reservoirs.

(0070047) (0100047)

- 17. Permittee shall bypass all flows in the Unnamed Stream tributary to Mud Slough, as described in Application 29096, until such time as such prior storage rights of Carneros Hills Wine Company (under any permit issued pursuant to Application 29096) and the prior rights of Robert A. and Karen I. Mueller under Permit 20277 issued pursuant to Application 29073 are satisfied during the current collection season. Permittee shall not be obligated to release water in the reservoir(s) below the previous October 1 staff gage reading unless permittee has withdrawn water from the reservoir(s) for consumptive purposes since October 1. Permittee shall not be obligated to release water in the reservoir(s) that can be demonstrated to have been diverted from Carneros Creek and/or pumped from subsurface draintiles (which will not intercept surface water flows) and wells. (0000051)
- 18. For the protection of fish and wildlife, diversions under this permit from Carneros Creek shall be subject to maintenance of the following minimum bypass flows:
- (a) from November 1 through November 30, bypass a minimum of $2.5\ \mathrm{cubic}$ feet per second.
- (b) from December 1 through February 29 of the succeeding year, bypass a minimum of 10 cubic feet per second.
- (c) from March 1 through April 30, bypass a minimum of 2.5 cubic feet per second.

No diversion from Carneros Creek is allowed under this permit if the total streamflow is or would be reduced below the designated amounts.

Bypass flows shall be measured at the existing rated staff gage at Old Sonoma Road Bridge over Carneros Creek. Permittee shall be responsible for assisting in the maintenance of this gage and shall supply a rating curve for the gage to the State Water Resources Control Board within 30 days from the date of this permit. (0140060)

- 19. Permittee shall install a screening device, satisfactory to the California Department of Fish and Game, to screen the intake on the diversion works on Carneros Creek. Said screening device shall be in place prior to any diversion of water from Carneros Creek under this permit. (0000063)
- 20. The State Water Resources Control Board reserves jurisdiction over this permit to change the season of diversion to conform to later findings of the Board concerning protection of beneficial uses of water in San Francisco Bay. Action to change the season of diversion will be taken only after notice to interested parties and opportunity for hearing. (0000094)
- 21. For wildlife access to reservoirs, permittee shall allow reasonable wildlife access across the place of use. Any fencing erected on the permittee's property shall not preclude access by the wildlife to the reservoirs. (0400500)
- 22. For the protection of riparian habitat, permittee shall not remove riparian vegetation or develop land within the corridors of riparian vegetation along Carneros Creek and the unnamed streams tributary to Carneros Creek except that necessary to construct the diversion structures. (0400500)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision (of the Water Code).

Dated:

MAY

20 1994

STATE WATER RESOURCES CONTROL BOARD

STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

Application 29603 of Clos P	egase Winery						
1060 Dunaweal Lane, Calistoga, CA 945	15						
filed on November 1, 1989 Control Board SUBJECT TO VESTED R		approved by th limitations and					
Permittee is hereby authorized to divert	and use water as fo	llows:					
1. Source:		ר	Γributary	y to:			
(1)(2R) Carneros Creek	N	lapa River t	hence				
	S	an Pablo Ba	ıy				
(3R)(4)(5)(6)(7) Unnamed Stream	<u>m C</u>	arneros Cre	ek the	ence			
	N	apa River					
2. Location of point of diversion:		40-acre subdiction of public land or projection	vision d survey thereof	* Section	Town-ship	Range	Base and Meridian
All by California Coordinate System, Zone 2 Diversion to Offstream Storage							
(1) North 210,700 feet and East 1,905,050 (2R) North 208,750 feet and East 1,907,450	feet feet	NWL of NWL SWL of NEL		32 32	5N 5N	4W 4W	MB MB
(3R) North 208,850 feet and East 1,906,350 (4) North 209,600 feet and East 1,906,750	feet feet	SEK of NWK		32 32	5N 5N	4₩ 4₩	MB MB
(5) North 209,750 feet and East 1,905,800 (6) North 209,950 feet and East 1,905,600	feet feet	NE of NW		32 32	5N 5N	4W	æ
(7) North 210,300 feet and East 1,904,900	feet	NW4 of NW4		32	5N	4W	MD
Offstream Storage, Reservoir CP #1		N12 of NW14		32	5N	4W	MD
County of Napa			· · · · · · · · · · · · · · · · · · ·		*	Project	æd
3. Purpose of use:	4. Place of use:		Section	Town-	ange H	Base and leridian	Acre
SEE ADDENDUM							
		2					
						······	†

The place of use is shown on map on file with the State Water Resources Control Board.

* Projected

3. Purpose of use:	4. Place of use:	* Section	Town-ship	Range	Base and Meridian	Acre
Irrigation	SW4 of SW4	29	5N	4W	MD	20
	SEL of SEL	30	5N	4W	MD	18
	NE³≤	31	5N	4W	MD	128
	Elg of NW4	31	5N	4W	MD	7
	NW4 of SE4	31	5N	4W	MD	5
	Elg of SElg	31	5N	4W	MD	30
	W½ of SW¼	32	5ทั	4W	MD	25
	NW ₄	32	5N	4W	MD	110
	NWI of NEL	32	5N	4W	MD	5
	SW4 of NE4	32	5N	4W	MD	7
					TOTAL	355
						
<u> </u>						

Permit

The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed 150 acre-feet per annum to be collected from November 1 of each year to April 30 of the succeeding year.

(0000005)

This permit does not authorize collection of water to storage outside of the specified season to offset evaporation and seepage losses or for any other

(000005I)

The maximum rate of diversion to offstream storage shall not exceed 4.5 cubic feet (000005J)per second.

- 6. The amount authorized for appropriation may be reduced in the license if investigation warrants. (0000006)
- 7. Construction work shall begin within two years of the date of this permit and shall thereafter be prosecuted with reasonable diligence, and if not so commenced (0000007) and prosecuted, this permit may be revoked.
- Construction work shall be completed by December 31, 1996 (8000000)
- Complete application of the water to the authorized use shall be made by (0000009) December 31, 1997.
- 10. Progress reports shall be submitted promptly by permittee when requested by (0000010)the State Water Resources Control Board until a license is issued.
- 11. Permittee shall allow representatives of the State Water Resources Control Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this (0000011) permit.
- 12. Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust. (0000012)

Permit__

- 13. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Resources Control Board if, after notice to the permittee and an opportunity for hearing, the Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges. (0000013)
- 14. For the protection of fish and wildlife, diversions under this permit from Carneros Creek shall be subject to maintenance of the following minimum bypass flows:
- (a) from November 1 through November 30, bypass a minimum of 2.5 cubic feet per second.
- (b) from December 1 through February 29 of the succeeding year, bypass a minimum of 10 cubic feet per second.
- (c) from March 1 through April 30, bypass a minimum of 2.5 cubic feet per second.

No diversion from Carneros Creek is allowed under this permit if the total streamflow is or would be reduced below the designated amounts.

Bypass flows shall be measured at the existing rated staff gage at Old Sonoma Road Bridge over Carneros Creek. Permittee shall be responsible for assisting in the maintenance of this gage and shall supply a rating curve for the gage to the State Water Resources Control Board within 30 days from the date of this permit. (0140060)

- 15. Permittee shall install a screening device, satisfactory to the California
 Department of Fish and Game, to screen the intake on the diversion works on
 Carneros Creek. Said screening device shall be in place prior to any diversion of
 water from Carneros Creek under this permit. (0000063)
- 16. The State Water Resources Control Board reserves jurisdiction over this permit to change the season of diversion to conform to later findings of the Board concerning protection of beneficial uses of water in San Francisco Bay. Action to change the season of diversion will be taken only after notice to interested parties and opportunity for hearing. (0000094)
- 17. For wildlife access to reservoirs, permittee shall allow reasonable wildlife access across the place of use. Any fencing erected on the permittee's property shall not preclude access by the wildlife to the reservoirs. (0400500)
- 18. For the protection of riparian habitat, permittee shall not remove riparian vegetation or develop land within the corridors of riparian vegetation along Carneros Creek and the unnamed stream tributary to Carneros Creek except that necessary to construct the diversion structures. (0400500)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated:

MAY 11 1994

STATE WATER RESOURCES CONTROL BOARD

Chief, Division of Water Rights