



SUMMIT ENGINEERING INC.

707 . 527 . 0775 Phone

707 . 527 . 0212 Fax

805 . 549 . 0775 Central Coast

463 Aviation Blvd. Ste 200 Santa Rosa, CA 95403

September 30, 2011

Napa County Department of
Conservation, Development & Planning
1195 Third Street, Room 210
Napa, CA 94559

Attention: Steve Lederer, Director

Re: Aetna Springs
Historical Water Usage
APN 018-300-018, 017
Project No. 2011084

Dear Mr. Lederer:

Aetna Springs is applying for a Use Permit major modification for the parcel (APN 018-300-017,-018) at 1600 Aetna Springs Rd. in Pope Valley, Napa County. Aetna Springs is proposing to redevelop the historic site by rehabilitating existing structures. We are providing this letter and associated materials to support the Use Permit process.

In order to evaluate the potential changes from the existing Use Permit (1997), we have compared the changes in guest and employee usage which directly relates to water use onsite. A summary of these uses (historical versus proposed) is as follows:

	NCEM Multiplier, 2006 ASTS Guidelines (NCEM), gpd per person	1997 UP Limit	1997 Water Use	2011 UP Mod Proposal	2011 Water Use
Overnight Guests ¹	125	200	25,000	200	25,000
Employees ²	15	30	450	120	1,800
Guest & Employee Meals	15	230	3,450	320	4,800
		<i>Total =</i>	<i>28,900</i>	<i>Total =</i>	<i>31,600</i>
Net difference in water usage =					9.3%
Irrigation	No change in irrigation flows. Landscaping plan to maintain the historical character of the site.				

¹ Guests are for overnight usage at the retreat.

² Employees at the clubhouse and supporting facilities are not included in this list as there is no proposed change in usage with the Use Permit Modification request.

The horizontal well located a few miles south of the site historically provided potable water for the retreat. In recent years, several wells have been established to allow for groundwater use near the facility. Two of these wells were incorporated in the retreat's public water system which was approved by Napa County Department of Environmental Management and have sufficient capacity to meet peak demands for the retreat.

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As seen in the table above, the net difference in domestic water usage is relatively minor. Irrigation water has historically been supplied from surface water diversion sources. This practice is expected to continue.

Sincerely,



Richard Ross
PROJECT MANAGER

cc: Mohammad Javanbakht – Criswell Radovan, LLC