

MEMORANDUM

Date: January 30, 2008
To: Water Right File 95-8961
From: medl
Re: License review

In Oct 2007, I sent a letter to Hagadone Hospitality requesting the supplemental information they had promised to provide in 1998.

In response to my letter, I received emails and phone calls from Ray Kimball of Inland Northwest Consultants. Mr. Kimball had been hired by Hagadone Hospitality to provide the IDWR with supplemental information required for this license. He had visited the site recently, taken photographs and located archive plans and documents. He emailed me copies of his peak demand calculations, the system improvement drawings and maps and a brief history of the water treatment system. In a phone conversation on 1/18/2008, he guided me through the piping diagram for the water softener bypass. The drawing of the bypass piping is available in the vault file for Hagadones previous water right license 95-8641. The Welch, Comer & Associates record drawing 05-08-90, includes a plan view of the Mechanical Room and shows the bypass piping was in place in 1990.

The flow restrictor is the limiting factor on the diversion rate for this license. It was put in place to accommodate the water softener capacity and was permanently bypassed shortly after Proof of Beneficial Use was submitted in 1997. Maintaining soft water for the entire system, including the marina, proved too troublesome. So the flow rate may have been unrestricted at the time of the field exam in 1998, but it was restricted when Proof was submitted. Therefore the flow rate for this license remains 0.04 cfs and is probably less that the resort is actually using at present.

I used Ray Kimballs water use calculation to set the annual volume. He provided me a total use of 10,200 gpd. The volume calculation becomes: $10,200\text{gpd} \times 365\text{days} \times 325,850 = 11.43\text{afa}$

Neither the POD nor the POU shapes had been created prior to my review. I created them based on the field exam notes and supplemental documents submitted by Ray Kimball and Inland Northwest Consultants.

Ray Kimball called me January 30, 2008 as I was drafting the license. I briefly shared my findings and mentioned the need for an additional license to cover the diversion rate above 0.04cfs.