

Memorandum

Date: May 9, 2008

From: Ernie Carlsen

To: File 75-14467, Arrowhead Water District.

In response to the comments provided by Harry Shannafelt, watermaster for WD75A, I telephoned him to discuss his concerns. Harry explained to me his opinion that for most of the year Chipps Creek is fully appropriated and there is not sufficient water under the water rights 75-19D and 75-21 to add four more homes to the culinary system. Previously there was considerable controversy over the diversion of water into this system which resulted in an MOU describing how the two decreed water rights held by Arrowhead Water District ("Arrowhead") would be delivered. A copy of the flow chart detailing quantities to be delivered under each right each month is a part of the file, see Arrowhead Domestic Water Usage. The system is closely monitored and there are two valves that can be used to regulate the diversion rate. One valve is controlled by the water master the other as I understand it is controlled by Arrowhead. The system also has a totalizing meter in gallons. After talking with Harry, I called Gary Leuzinger who is one of the home owners receiving water from Arrowhead and asked him how Arrowhead can now have sufficient water for four new homes without diverting more water when in the past there were home owners who had to drill wells because Arrowhead's predecessor said there was not enough water. Gary told me Arrowhead had done considerable work on the delivery system to patch up leaks. Plus there is a 120,000 gallon storage tank on the system which is normally kept full so there is water in reserve in case of a shortage or to provide water when the system is shut off because of maintenance. Gary also explained they are now closely monitoring the overflow to ensure it is not excessive. The water is used strictly in-house. Irrigation water is provided under a different water right and delivered in a different system. With these improvements Arrowhead is confident there is sufficient water under the two decreed rights to satisfy 14 households. Arrowhead is not seeking a diversion rate or volume above what is authorized for 75-19D and 75-21 under approved transfer no. 4104 but had to file this application because the two decreed rights were conditioned with a 10 home limit. Given the information cited above it is my opinion the application can be approved and with the following condition: "The watermaster shall close the controlling works to the Arrowhead Water District diversion when Arrowhead Water District has diverted 12 acre feet in one year pursuant to water right no. 75-19D, unless water pursuant to water right no. 75-21 is available."