

Memorandum

Date: April 24, 2012

To: File 65-22971 and 65-22889

From: Craig L. Saxton

Re: Licensing Review

Permits 65-22971 and 65-22889 were both originally permitted for subdivisions. The domestic and irrigation components were identified separately, meaning that the permitted uses for both permits included domestic use for internal use only, and irrigation. The field examiner (SPF) requested on behalf of the permit holder, that the permits be amended to municipal purposes at licensing.

65-22971:

Rate:

Domestic for 84 homes = 0.40 cfs as permitted (IDWR Standard Charts)

Irrigation = 27 acres * 0.02 cfs = 0.54 cfs

Total diversion rate for Municipal use = 0.94 cfs

Volume:

65-22971 was permitted for domestic use of 84 homes and 27 acres of irrigation. The permitted irrigated acres was calculated as being 66% of the overall 41 acre development area. This ends up being 0.32 acres of irrigation per lot on 84 lots.

The actual irrigated acres was not measured due to many of the lots being stubbed in. Recommend volume for the irrigation portion of the right as the IDWR standard for external domestic use, or 0.6 af per lot: 0.6 af x 84 homes = 50.4 AF.

*If irrigation was separate from the domestic use, the volume calculation for 27 acres would be: 27 acres * 3.0 AF/acre = 81 af.*

The proposed change of the irrigation use to municipal use results in changing the 4/15 – 10/31 SOU to a year round season of use. Section 13, on page 32 of transfer memo #24, provides guidance related to changing the nature of use in this situation. It says that if the combination of uses has really always been a municipal use, changing the use to “municipal” will not be considered an enlargement.

Internal = 84 homes * 0.6 AF = 50.4 AF

External = 0.6 af x 84 homes = 50.4 AF

Total Volume = 50.4 AF + 50.4 AF = **101 AF.**

Recommend amendment to change purpose of use to municipal.

POU:

Recommend POU as a Large POU.

65-22889:

Rate:

Domestic for 66 homes = 0.35 cfs as permitted (IDWR Standards)

Irrigation = 66 lots * 0.5 ac per lot * 0.02 cfs = 0.66 cfs

Total = **1.01 cfs**

Volume:

65-22889 was permitted for domestic use of 66 homes and 34.8 acres of irrigation. I am not sure where the 34.8 acres came from but the application states that the actual irrigatable land at build out will be less than the amount shown in the application. Average lot size is less than ½ acre.

The actual irrigated acreage was not measured due to many of the lots being stubbed in. Recommend volume for the irrigation portion of the right as the IDWR standard for external domestic use, or 0.6 af per lot: 0.6 af x 66 homes = 39.6 AF.

*If irrigation was separate from the domestic use, the volume calculation for 34.8 acres would be: 34.8 acres * 3.0 AF/acre = 104.41 af.*

The proposed change of the irrigation use to municipal use results in changing the 4/15 – 10/31 SOU to a year round season of use. Section 13, on page 32 of transfer memo #24, provides guidance related to changing the nature of use in this situation. It says that if the combination of uses has really always been a municipal use, changing the use to “municipal” will not be considered an enlargement.

Internal = 66 homes * 0.6 af = 39.6 AF

External = 66 homes * 0.6 af = 39.6 AF

Total vol = **79.2 AF**

Recommend amendment to change purpose of use to municipal.

Fire Protection:

Fire protection use includes the POU for both 65-22971 and 65-22889. Capacity of the system supports the permitted rate of 2.23 cfs. Recommend rate as permitted. No volume for fire protection

POU:

Recommend POU as a Large POU.

No Combine use limit:

System Capacity = 4.51 cfs

65-22971 = 0.94 cfs

65-22889 = 3.28 cfs

Total = 4.22 cfs

Diversion rate between 65-22971 and 65-22889 not limited by diversion rate as the licensed diversion rate is less than capacity of the diversion system.