

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral Request No. G4-35821 with mitigation from Trust Water Right No. S4-01724CTCLsb7		
APPLICANT NAME Canyon River Ranch Owners Association	CONTACT SC Aggregate Co. Inc.	CONTACT'S TELEPHONE NO 509.925.5622
WATER RIGHT HOLDER'S NAME (if different) Same		CONTACT'S EMAIL steve@lwsd.com

DATE OF APPLICATION January 28, 2016	PRIORITY DATE January 28, 2016
---	-----------------------------------

WATER SOURCE: Two wells	CROP: None
INSTANTANEOUS QUANTITY: 142 gpm	ANNUAL QUANTITY: 8.961 acre-feet/year (2.688 consumptive for 32 ERUs)
PERIOD OF USE: Continuous for 32 ERUs as specified by DOH water system consolidation project #14-0911, with NO irrigation of lawn and/or garden.	
PLACE OF USE: Parcel No. 16-19-28050-0000, located within that portion of the S½SW¼ of Section 28 lying North and East of the Yakima River, T. 16 N., R. 19 E.W.M., Kittitas County, WA.	PURPOSE OF USE: Indoor domestic use only.
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 32 ERUs as authorized by DOH water system No. 72990 consolidation with system No. AB382E; DOH project #14-0911: 20 connections currently used plus 12 available residential connections at 250 gallons per day (gpd) used continuously year round equates to 8.961 ac-ft/yr of water use. 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use (CU) = 2.688 ac-ft/yr</p> <p>Outdoor use: The requestor proposes NO irrigation Outdoor consumptive use = NONE</p> <p>Consumptive use for the project totals 2.688 ac-ft/yr</p>
--

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annl.
Total Use (ac-ft)	0.7611	0.6874	0.7611	0.7365	0.7611	0.7365	0.7611	0.7611	0.7365	0.7611	0.7365	0.7611	8.961
Consumptive	0.2283	0.2062	0.2283	0.2210	0.2283	0.2210	0.2283	0.2283	0.2210	0.2283	0.2210	0.2283	2.688

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 2.688 ac-ft/yr of consumptive use for the project with mitigation water acquired from Trust Water Right S4-01724CTCLsb7. The proposed wells are located on Kittitas County parcel 16-19-28050-0000. Review of the local area hydrogeology suggests that the two wells utilize two different aquifers. The shallower well (Ecology Well Tag ALB-666) is located along the valley floor and is completed into the unconsolidated sediments. The second, and deeper, well (Ecology Well Tag AKW-663) located on the lower flank of the canyon wall is completed into the basalt aquifer. Groundwater withdrawals from the alluvial aquifer extract groundwater that is closely connected to the Yakima River. Withdrawals from the confined basalt aquifer intercept groundwater that would otherwise discharge to the Yakima River downstream of the YR Canyon area. It is recommended to split the mitigated right into "A" (alluvial) and "B" (basalt) portions. An additive/non-additive relationship will allow for project flexibility between the two portions. Copies of the Draft Hydrogeology Memo for the subject water budget neutral request are available on request from Ecology. For a copy, please contact Kurt Walker at (509) 454-4237, kurt.walker@ecy.wa.gov.

