

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35682 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
James & Joanne Waller	Jason McCormick	509-607-3513
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Washington Water Trust (Masterson) Trust Water Right		Jason@thewatertrust.org

DATE OF APPLICATION	PRIORITY DATE
March 12, 2014	

WATER SOURCE:	CROP:
Groundwater from an on-site well (Ecology Unique Well ID APG538)	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE:	PURPOSE OF USE:
Parcel No. 085334, located within the NE¼NE¼ of Section 1, T. 19 N., R. 14 E.W.M.	Single domestic and Irrigation of 500 ft ² lawn or garden
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or: $(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft} / 325,851 \text{ gal}) = 0.392 \text{ afy}$ Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = $(0.392 \text{ afy}) \times (0.30) = \mathbf{0.118 \text{ afy}}$</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and garden. Using a crop irrigation requirement of 18.11 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.022 afy, or: $[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43560 \text{ ft}^2/\text{ac}) = 0.022 \text{ afy}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.022 \text{ afy}) \times (0.90) = \mathbf{0.019 \text{ afy}}$</p> <p>Total Use = 0.414 afy</p> <p>CU = 0.137 afy</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located along the right bank of the Yakima River approximately 4 miles west of the city of Cle Elum.

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft² of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A).

Ecology intends to assign 0.072 afy (equivalent to the September 1 – March 31 consumptive use) to the USBR-Ecology Water Exchange Contract (Contract No. 09XX101700) to address flow impacts to the Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawals will result in flow impacts to the main stem Yakima River. Flow impacts to tributaries are not expected.

Location of G4-35682

