

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35514 with mitigation from Trust Water Right No. CS4-05259CL@2sb7		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Martin and Denise Weibel	Kurt Walker - Ecology	509-454-4237
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Suncadia Trust Water Right		kwal461@ecy.wa.gov

DATE OF APPLICATION	PRIORITY DATE
August 22, 2011	New use mitigated by trust water right with priority date of October 30, 1884

WATER SOURCE:	CROP:
Well	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. 949686, located within the NE ¹ / ₄ SW ¹ / ₄ of Section 1, T. 19 N., R. 14 E.W.M.	Single domestic and Irrigation of 500 ft ² lawn or garden
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:
<p>Indoor use: One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr 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 = $(0.392 \text{ afy}) \times (0.30) = \mathbf{0.118 \text{ ac-ft/yr}}$</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 ac-ft/yr, or: $[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43560 \text{ ft}^2/\text{ac}) = 0.022 \text{ ac-ft/yr}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.022 \text{ ac-ft/yr}) \times (0.90) = \mathbf{0.019 \text{ ac-ft/yr}}$</p>