

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35760 with mitigation from Trust Water Right No. S4-02316sb8(a1)		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
James & Jeanne Sanders	Anne Watanabe	509-649-5218
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Yakima River Mitigation Services		annew@inlandnet.com

DATE OF APPLICATION	PRIORITY DATE
May 8, 2015	

WATER SOURCE: well	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.435 acre-feet/year (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 12444, located within the E½ of Section 7, and W½ of Section 8; both in T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 1,000 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 1,000 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 0.043 afy, or: $[(1.51 \text{ ft/yr}) \div 0.80] \times (1,000 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.043 \text{ afy}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.043 \text{ afy}) \times (0.90) = \mathbf{0.039 \text{ afy}}$</p> <p>Total Use: 0.435 afy</p> <p>Total Consumptive Use: 0.157 afy</p>
--

NARRATIVE DESCRIPTION OF PROJECT:

The proposed property is located approximately 4 miles southeast of Cle Elum in an “yellow” area as noted on the Yakima River Mitigation Services suitability map.

The requestor proposes to offset the 0.157 afy of consumptive use for the project (one residential connection and 1,000 ft² of lawn and garden) with 0.157 afy of mitigation water acquired from Trust Water Right No. S4-02316sb8(a1). During the irrigation season, 0.072 ac-ft will be assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) and released between September 1 and March 31 to address out-of-season impacts along the Yakima River. In addition to the consumptive use of the project, Ecology will assign 0.025 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35760 will result in flow impacts the Yakima River north and east of the subject property.

WTWG Project form

Location of G4-35760

