

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35738 with mitigation from Trust Water Right No. CS4-02316sb8(a1)		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Steven & Sandra Senger	Anne Watanabe	509-649-5218
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Yakima River Services		annew@inlandnet.com

DATE OF APPLICATION	PRIORITY DATE
January 7, 2015	

WATER SOURCE: Groundwater Unique Well ID (AEM678)	CROP: none
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr (afy)
PERIOD OF USE: Continuous for indoor domestic and seasonal for irrigation	
PLACE OF USE: Parcel No. 952096, located within the NE¼ and SE¼ of Section 7, T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and noncommercial lawn and 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: $[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.022 \text{ afy}$ 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>Consumptive Use = 0.137 afy</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located east of Peoh Point, approximately 3 miles southeast of the city of Cle Elum. The subject parcel is situated at an elevation of approximately 2,360 feet above mean sea level along the north face of South Cle Elum Ridge. The Senger lot lies within a “yellow” suitability area. Ecology has approved several Water Budget Neutral requests near the G4-35738 project (See map).

Review of local topography, geologic mapping, available well logs, and location of surface water bodies suggest that withdraws under G4-35738, will more likely than not, capture water that would ultimately discharge to the Yakima River. No tributary flow impacts are anticipated.

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and seasonal irrigation) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-02316sb8(a1).

Ecology intends to assign the 0.072 afy (equivalent to the September 1 – March 31 consumptive use) to the USBR-Ecology Water Exchange Contract (Contract No. 09XX101700) for purposes of addressing flow impacts to the Yakima River. Additionally, Ecology plans to assign 0.024 afy of the Trust Water Right to be managed with the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Location of G4-35738

