

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral (WBN) Request No. G4-35741 with mitigation from Trust Water Right No. CS4-05259CTCL@2sb7		
APPLICANT NAME James and Nada McGrann	CONTACT NAME Jessica Kuchan	TELEPHONE NO. 206-838-7650
WATER RIGHT HOLDER'S NAME (if different) Suncadia		EMAIL Kuchan@mentorlaw.com

DATE OF APPLICATION 1/16/2015	PRIORITY DATE
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WATER SOURCE: Existing well APG-994 in Parcel 857035 located within the SE ¼ SE ¼ of Section 34, T21N, R14E.	CROP: Lawn and garden.
INSTANTANEOUS QUANTITY: Not provided	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for one domestic home.	
PLACE OF USE: Parcel 857035 located within the SE ¼ SE ¼ of Section 34, T21N, R14E.	PURPOSE OF USE: Single Domestic home and seasonal irrigation
IRRIGATION METHOD: None	

<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: $(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft} / 325,851 \text{ gal}) = 0.392 \text{ afy}$</p> <p>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: $[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.022 \text{ afy}$</p> <p>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>

NARRATIVE DESCRIPTION OF PROJECT:

Parcel 857035 located within the SE ¼ SE ¼ of Section 34, T21N, R14E; near the east shore of Cle Elum Lake, between Spring Creek and Mill Creek, on an unnamed tributary that flows into Cle Elum Lake. Impacts from groundwater withdrawals will likely occur to the unnamed tributary and Cle Elum Lake. WBNs were approved for two parcels located approximately ½ mile east-northeast within the drainage area of the same unnamed tributary (see location map).

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and seasonal lawn and garden irrigation) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-05259CTCL@2sb7.

Ecology intends to assign the 0.072 afy to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out of season impacts to the Yakima River between September 1 and March 31. 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 Map for G4-35741

