

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35707 with mitigation from Trust Water Right No. CS4-02316sb8(a1)		
APPLICANT NAME Kahneeta LLC	CONTACT NAME Anne Watanebe	TELEPHONE NO. 509-649-5218
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Crush LLC Trust Water Right		EMAIL

DATE OF APPLICATION July 24, 2014	PRIORITY DATE
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WATER SOURCE: Groundwater, Well ID AKH-851	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: 25 gallons per minute	ANNUAL QUANTITY: 0.302 acre-ft/yr (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 955546, located within the NW¼SE¼ of Section, T. 21 N., R. 14 E.W.M.	PURPOSE OF USE: 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 250 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or: $(250 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ afy} / 325,851 \text{ gal}) = 0.280 \text{ afy}$ Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = $(0.280 \text{ afy}) \times (0.30) = \mathbf{0.084 \text{ afy}}$</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 = 0.302 afy Consumptive Use = 0.103 afy</p>
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2014-63-G4-35707
Crush LLC Trust Water Right
(Kahneeta LLC)

NARRATIVE DESCRIPTION OF PROJECT:

The project is located in the “yellow area” located in an east-southeast facing hillside approximately ¼ mile east of Cle Elum Lake. Morgan Creek is located approximately 1,500 ft south of the point of withdrawal, well ID AKH-851. Several water budget neutral determination (WBN) requests have been approved in the area of this WBN request, and information associated with those support the conclusions reached herein. Groundwater withdrawals under this request may result in flow impacts to Morgan Creek, unnamed small intermittent stream, and/or Cle Elum Lake.

The requestor proposes to offset the 0.103 afy of consumptive use for the project (one residential connection and 500 ft² of lawn and garden) with 0.103 afy of mitigation water acquired from Trust Water Right No. CS4-02316sb8. Ecology will assign 0.053 afy of the consumptive use to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). In addition to the consumptive use, 0.018 afy of the Trust Water Right will be assigned to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Location of G4-35707 (Parcel No 955546, well AKH-851)

