

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Right Permit No. G4-35902 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B) - Roth		
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO
Arthur Kerchner		509.962.7698
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL
Kittitas County (Roth)		Erin.moore@co.kittitas.wa.us

DATE OF APPLICATION
January 23, 2017

WATER SOURCE: 1 Proposed Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 4.48	ANNUAL QUANTITY: 0.330 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 952610, located within the SE ¹ / ₄ SE ¹ / ₄ of Section 24 and within the NE ¹ / ₄ NE ¹ / ₄ of Section 25, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 275 gallons per day (gpd) used continuously year round equates to 0.308 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:</p> <p>Indoor consumptive use (CU) = 0.092 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and/or garden. Using a crop irrigation requirement of 23.99 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. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, therefore:</p> <p>Outdoor consumptive use = 0.019 ac-ft/yr</p> <p>Total consumptive use = 0.112 ac-ft/yr</p> <p>Contract water = 0.070 ac-ft/yr for the period August 1 to March 31.</p>
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NARRATIVE DESCRIPTION OF PROJECT:
The project is located approximately 0.5-mile northeast of Cle Elum in a "yellow" suitability area.

The applicant proposes to offset the 0.112 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.112 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@2b(B). 0.070 ac-ft will be assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Yakima River.

Considering the proposed withdrawals (including mitigation) and local area hydrogeology, groundwater pumping impacts to are not expected to interfere or impair existing water right holders.

WTWG Project form

Location of G4-35902

