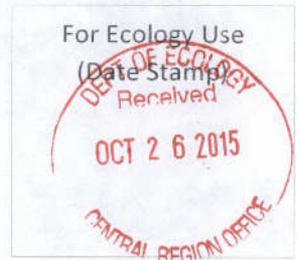




# Application for a Water Right Permit



A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION FOR THE FOLLOWING:

- GROUND WATER       SURFACE WATER       PERMANENT  
 SHORT TERM       TEMPORARY

NO FEE REQUIRED FOR THE FOLLOWING:

- DROUGHT       COST REIMBURSEMENT

Follow the attached instructions. Attach additional sheets as necessary.

## Section 1. APPLICANT

I have participated in a pre-application conference with Ecology.

Applicant/Business Name: BARKLEY IRRIGATING COMPANY, C/O Del Prewitt		Phone No: (253) 312-0049	Other No:
Address: 1800 Day Island Blvd West			
City: University Place		State: WA	Zip: 98466
Email Address (if available): N/A			

Contact Name (if different from above): Trout Unlimited- Washington Water Project, C/O Aaron Penvose		Phone No: (509) 881-7689	Other No:
Relationship to Applicant: Project Sponsor			
Address: 103 Palouse Street, Suite 14			
City: Wenatchee,		State: WA	Zip: 98801
Email Address (if available): apenvose@tu.org			

Legal Land Owner or Part Owner Name of the Proposed Place of Use: Del Prewitt- same as above		Phone No:	Other No:
Address:			
City:		State:	Zip:
Email Address (if available):			

For Ecology Use	APPLICATION NO: <u>54-33166</u>	SEPA: Exempt/Not Exempt
	Fee Paid: <u>EXEMPT</u> Check No: _____	ECY Coding: 001-001-WR1-0285-000011
Date Returned _____	By _____	Priority Date <u>10-26-2015</u> By <u>J</u>
Pre-application interviewer: _____		WRIA: <u>48 OKWOBW</u>

## Section 2. STATEMENT OF INTENT

Do you own the land on which the proposed point of diversion/withdrawal is located?  YES  NO  
 If no, do you have legal authority to make this application for use of another's land?  YES  NO

Briefly describe the purpose of your proposed project: This BIC project is part of a large effort in the Methow Basin that seeks to improve the management of water resources in the Methow River while continuing the agricultural heritage of the valley. TU has been working with BIC on improving their irrigation management practice since 2006 with success. The next phase of this partnership is a complete overhaul of their irrigation system from gravity to a pressurized on demand system. This application is 2 of 2 applications for the Barkley Irrigating Company POD change project.

Anticipated length of time to complete your project: Currently, the project is scheduled to be operational in the spring of 2017.

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input checked="" type="checkbox"/> Cubic Feet per Second (CFS)	<input type="checkbox"/> Gallons per Minute (GPM)		
Irrigation- please see remarks	26		8,327.57	Irrigation Season
<b>TOTAL:</b>	26		8,327.57	

### Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)?  YES  NO

Is this request for a temporary permit?  YES  NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_ / \_\_\_ / \_\_\_ TO: \_\_\_ / \_\_\_ / \_\_\_

## Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

A.) If Surface Water Source

B.) If Ground Water Source

<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input checked="" type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____ Source Name: <u>Methow River</u> Tributary to: <u>Columbia River</u> Number of proposed diversion points: <u>1-2</u> Do you have an existing diversion? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____ _____ Well diameter & depth: _____ Number of proposed points of withdrawal: _____ Do you have an existing well? <input type="checkbox"/> YES <input type="checkbox"/> NO If available, attach Water Well Report and pump test. Well Tag ID No. _____
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**C.) Point of Diversion/Withdrawal – Legal Description**

Parcel No.	¼	¼	Section	Township	Range	County
3421240065 or 3421240066			24	24N	21E	Okanogan
Lot(s)	Block(s)		Subdivision			

48  
OKAW

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

\_\_\_\_\_ Feet ( North/ South) and \_\_\_\_\_ feet ( East/ West)  
 from the (NW SW NE SE  \_\_\_\_\_) corner of Section \_\_\_\_\_.

Parcel No.	¼	¼	Section	Township	Range
Lot(s)	Block(s)		Subdivision		

Township  
34 NOT 24

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:

\_\_\_\_\_ feet ( North/ South) and \_\_\_\_\_ feet ( East/ West)  
 from the (NW SW NE SE  \_\_\_\_\_) corner of Section \_\_\_\_\_.

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

**Section 4. PLACE OF USE**

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

Parts of sections 13, 24 and 25, T. 34N., R. 21 E.W.M						
Parts of sections 19, 30 and 31, T. 34N., R. 22 E.W.M						
Parts of sections 5, 6 and 8, T. 33N., R. 22 E.W.M						
¼	¼	Section	Twp.	Range	County	Parcel No.
					Okanogan	Numerous

Do you own all the lands on which the proposed place of use is located?  YES  NO.

If no, do you have legal authority to make this application for use of another's land?  YES  NO

Provide owner name(s), address, and phone number: Numerous, see attached list of shareholders in the Barkley Irrigating Company

Are there any other water rights or claims associated with this property or water system?  YES  NO

If yes, provide the water right and/or claim numbers: WRC000039

**Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.**



## Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): The Barkley Irrigation Company (BIC) currently provides irrigation water to 26 users. These users are located on the east side of the Methow River and irrigate approximately 640 acres of primarily alfalfa crops. The attached map shows the location of the irrigated acreage and major elements of the proposed project. The existing system primarily consists of the following major elements: 30,000 feet of unlined open canal, two siphon roadway crossings, a fish screen and diversion structure and flow measurement flume.

Recent, historical deliveries have been approximately 26 cfs. Water is diverted from the Methow River near Lower Bear Creek Road through a diversion structure and downstream fish screen. The current delivery system suffers from losses through the unlined canal. With assistance from Trout Unlimited's Washington Water Project (TU) and their partners, BIC has considered a variety of alternatives for rehabilitation of the delivery system. These alternatives have included various levels of conversion of the canal system to pipe as well as relining of the existing channel. The primary goals in improving the delivery system are to provide BIC with a long-term, low cost water supply. TU in cooperation with the BIC has determined that conversion of the existing gravity canal system to a pressurized pipe system is the preferred alternative to improve irrigation water delivery efficiency.

Several potential surface water diversion sites along the Methow River were evaluated using criteria such as environmental impact, system efficiency and total project cost. Other considerations included satisfactory access, sufficient channel depth and stability, and utility conflicts. The "Wilson" and "Dabritz" properties, approximately two river miles downstream of the existing diversion are the preferred pumping sites.

Implementing improvements for the new delivery system will include the following major elements: decommissioning and removal of the existing river diversion structure, filling in necessary extents of existing irrigation channel near diversion, reconnecting Bear Creek to the Methow River, construction of an irrigation pump station and fish screening structure, conversion of approximately 25,200 linear feet of unlined canal to pressurized pipeline, connection to or modification of existing road crossings and siphons, installation of service connections at existing irrigation delivery points all to reduce delivery losses and increase in-stream flows in the Methow River.

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### Remarks:

TU is coordinating final system design for the new pressurized system. Current estimates of irrigation efficiency savings are expected to be on the order of 7- 8 cfs, and these estimates will be refined before permits issue for the project

This new water right application is co-filed with a change application that requests (1) changes to the Barkley irrigation water right to establish an instream flow and water mitigation bank (which serves as the source of water for this new water right) and (2) facilitates irrigation efficiency improvements associated with the Barkley Irrigation Company. It is anticipated that some water will remain in trust for instream flow benefit at the conclusion of the project. This BIC project is part of a large effort in

the Methow Basin that seeks to improve the management of water resources in the Methow River while continuing the agricultural heritage of the valley. TU has been working with BIC on improving their irrigation management practice since 2006 with success. The next phase of this partnership is a complete overhaul of their irrigation system from gravity to pumped on demand system.

BIC has two primary Water Right Claims, 129470 and 129471. TU is proposing a change to existing water right claim 129470. WRC129470 has been the primary claim for Ecology action in previous changes because of redundancy in Claim 129470 and 129471. As in past Reports of Examinations, TU anticipates that 129470 and 129471 will be the subject of a joint tentative determination of the extent and validity of the underlying vested BIC water right

This project has numerous environmental benefits and TU is seeking expedited processing

## Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

(Complete A or B, and C below)

A.) Domestic Water Systems only	B.) Municipal Water Systems only <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____  Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Present population to be served water: _____  Estimate future population to be served: _____ (20 year projection)
<b>C.) Water System Planning</b>	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, date plan was approved ____/____/____ Water System Number: _____  Name of water system: _____  Are you within the service area of an existing water system? <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, explain why you are unable to connect to the system: _____ _____ _____ _____	

## Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

### Irrigation

Total number of acres requested to be irrigated under this application = 640 ACRES

NOTE: Outline the area to be irrigated on your attached map.

### Stockwater

List number and kind of stock: \_\_\_\_\_

Is the proposed project for a dairy farm?  YES  NO

### Other Proposed Farm Uses

Describe all proposed uses: Irrigation

### Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres?  YES  NO

Do you have a controlling interest in a Family Farm Development Permit?  YES  NO

If yes, enter Permit No: \_\_\_\_\_

## Section 8. OTHER WATER USES

### Hydropower

Indicate total feet of head \_\_\_\_\_ and proposed capacity in kilowatts: \_\_\_\_\_

Describe works: \_\_\_\_\_

Indicate all uses to which power is to be applied: \_\_\_\_\_

FERC License No: \_\_\_\_\_

### Mining/Industrial Use

Describe use, method of supplying and utilizing water: \_\_\_\_\_

Other Use

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**Section 9. WATER STORAGE**

Will you be using a dam, dike, or other structure to retain or store water?  YES  NO

Are you proposing to store more than 10 acre-feet of water?  YES  NO

Will the water depth be 10 feet or more?  YES  NO

If you answered yes to any of the above questions, please describe: \_\_\_\_\_

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*NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.*

**Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: From Twisp, WA, start out going east on North Methow Valley Highway/WA-20 toward Webb Ln. Take the 3d left onto Twisp Winthrop Eastside Road, travel for approximately 5.5 miles. Turn slight left onto Cotton Road for 0.2 miles. Cotton Road becomes Wilson Road, keep going for 0.3 miles. End at 37 Wilson Road.

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Site Address: 37 Wilson Road. Wintrop Washington

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## Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

X Charles Lehman  
 Print Name Sec Tree  
 (Applicant or authorized representative)

Charles Lehman  
 Signature

10-8-15  
 Date

X Charles D. Bennett  
 Print Name Pres. BIC  
 (Legal Owner or Part Owner Place of Use)

[Signature]  
 Signature

10-8-15  
 Date

X Charles D. Bennett  
 Print Name Pres. BIC  
 (Legal Owner or Part Owner Place of Use)

Charles Lehman  
 Signature

10-8-15  
 Date

Please check the region in which the project is located:

<p><b>*Submit your application to:</b></p> <p>DEPARTMENT OF ECOLOGY                  CASHIERING SECTION                  PO BOX 47611                  OLYMPIA, WA 98504-7611</p>	<input type="checkbox"/> Central Regional Office 1250 W. Alder Street Union Gap, WA 98903-0009 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Street Spokane, WA 99205-1265 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 <sup>th</sup> Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.

