



Water Resources Program

Application for a Water Right Permit

- SURFACE WATER
 GROUND WATER
 PERMANENT
 TEMPORARY
 SHORT TERM
 DROUGHT

Follow the attached instructions. Attach additional sheets as necessary.

***A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.**

Section 1. APPLICANT

Applicant/Business Name: James Darden	Phone No: 805-300-1965	Other No:
Address: 149 Melba Lane		
City: Woodland,	State: WA	Zip: 98674
Email Address (optional): jdarden@dardenhome.com		

Contact Name (if different from above):	Phone No:	Other No:
Relationship to Applicant:		
Address:		
City:	State:	Zip:
Email Address (optional):		

Legal Land Owner or Part Owner Name of the	Proposed Place of Use:	Phone No: 805-300-1965	Other No:
Address: 149 Melba Lane			
City: Woodland	State: WA	Zip: 98674	
Email Address (optional): jdarden@dardenhome.com			

Section 2. STATEMENT OF INTENT

Briefly describe the purpose of your proposed project: This is microhydro project used to provide renewable energy for my home.

Anticipated length of time to complete your project: 3 months

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 type="checkbox"/> Cubic Feet per Second (CFS)	<input checked="" type="checkbox"/> Gallons per Minute (GPM)		
	50/300 summer/winter			continuously
TOTAL:	300			

52-30566

COWLEY 2/27

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)

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

Parcel No.	¼	½	Section	Township	Range	County
60454			2	5N	1E	Cowlitz
Lot(s)	Block(s)		Subdivision			

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	½	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			

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.

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

Provide the owner name(s), address, and phone number: _____

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.

<http://www.cowlitzinfo.net/applications/cowlitzassessorparcelsearch/%28S%28qbqrk%2845we51klnzbg4mo1be%29%29/ParcelData.aspx?Account=R043504&Public=Y>

¼	½	Section	Twp.	Range	County	Parcel No.
		2	5N	1E	Cowlitz	60454

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: _____

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: _____

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): A small weir will be constructed with a coanda-effect shear screen. The weir will be constructed of concrete, roughly 6' across and 3' deep. A coanda screen will be used on the spillway to prevent anything (plant or animal) from entering the intake/penstock. A four inch pipe will run from the intake to the turbine, roughly a 300' run. The turbine will mount above the creek and return any used water back to the creek.

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: _____	Present population to be served water: _____
Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Estimate future population to be served: _____ (20 year projection)
C.) Water System Planning	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input checked="" 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 checked="" 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 = _____ 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: _____

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 75 and proposed capacity in kilowatts: 1.5

Describe works: Microhydro

Indicate all uses to which power is to be applied: renewable energy to home

FERC License No: _____

Mining/Industrial Use

Describe use, method of supplying and utilizing water: _____

Other Use

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: _____

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: 1. Take 1-5 North from Portland. Take exit 21.

2. Head northeast on WA-503 S/Lewis River Rd. Go about 5.8 miles

3. Turn left at Niemi Rd. Go about 0.9 mi

4. Turn right at Melba Ln - destination on the left.

Site Address: 149 Melba Lane, Woodland, WA 98674

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.

JAMES DARDEN
 Print Name
 (Applicant or authorized representative)

JAMES DARDEN
 Signature

1/16/2011
 Date

 Print Name
 (Legal Owner or Part Owner Place of Use)

 Signature

 Date

 Print Name
 (Legal Owner or Part Owner Place of Use)

 Signature

 Date

 Print Name
 (Legal Owner or Part Owner Place of Use)

 Signature

 Date

Please check the region in which the project is located:

*Submit your application to: DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611	<input type="checkbox"/> Central Regional Office 15 W Yakima Avenue, Suite 200 Yakima, WA 98902 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Spokane, WA 99205-1295 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 th Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input checked="" type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

