



**State of Washington**  
**Application for a Water Right Permit**

**RECEIVED**  
**JUN 08 2010**  
DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

For Ecology Use  
(Date Stamp)

SURFACE WATER    GROUND WATER  
 Permanent    Temporary    Short Term

*Follow the attached instructions. Attach additional sheets as necessary.*

A NON-REFUNDABLE **MINIMUM FEE** OF \$50.00 PAYABLE TO  
THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

**Section 1. APPLICANT**

|   |                             |            |
|---|-----------------------------|------------|
| Applicant/Business Name: Public Utility District No. 1 of Okanogan County | Phone No:<br>(509) 422-3310 | Other No:  |
| Address: 1331 Second Ave. N<br>P.O. Box 912                               |                             |            |
| City: Okanogan  | State: Washington           | Zip: 98840 |
| Email Address (optional): Enloe@okpud.org                                 |                             |            |

|   |                             |                             |
|---|-----------------------------|-----------------------------|
| Contact Name (if different from above): Nick Christoph      | Phone No:<br>(509) 422-8472 | Other No:<br>(509) 422-3310 |
| Relationship to Applicant: Staff, Environmental Coordinator |                             |                             |
| Address: Same as above                                      |                             |                             |
| City:   | State:                      | Zip:                        |
| Email Address (optional):                                   |                             |                             |

**Section 2. STATEMENT OF INTENT**

Briefly describe the purpose of your proposed project: Non-consumptive use for hydropower generation. The Public Utility District No. 1 of Okanogan County is planning to restore hydropower generation at Enloe Dam. If licensed, the Enloe Hydroelectric Project will result in a larger powerplant compared to the existing facilities, which would divert upto 1,600 CFS of water for power generation. Given that the District already holds senior water rights totaling 1,000 CFS on the Similkameen River, an additional 600 CFS of non-consumptive water right would be required for generation.

Anticipated length of time to complete your project: 4 Years (after all licenses and permits are obtained)  
**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)<br><input checked="" type="checkbox"/> Cubic Feet per Second (CFS)<br><input type="checkbox"/> Gallons per Minute (GPM) | Acre-Feet per Year (AF/YR)<br>(If known) | Period of Use<br>(Continuously or Seasonal) |
|-------------------|---|--|---|
| Hydropower        | 600   |  | Continuously                                |
| <b>TOTAL:</b>     | 600   |  |   |

**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: \_\_\_/\_\_\_/\_\_\_

|                     |  |  |
|---------------------|--|--|
| For Ecology Use     | APPLICATION NO: <u>54-35342</u>              | SEPA: Exempt/Not Exempt                |
|                     | Fee Paid: <u>Cost Reimb.</u> Check No: _____ | ECY Coding: 001-001-WR1-0285-000011    |
| Date Returned _____ | By _____                                     | Priority Date <u>6-8-2010</u> By _____ |
|                     |  | WRIA: <u>49 Okanogan</u>               |

### 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<br><input type="checkbox"/> Other: _____<br>Source Name: <u>Similkameen River</u><br>Tributary to: <u>Okanogan River</u><br>Number of proposed diversion points: <u>2</u><br>Do you have an existing diversion? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | <input type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____<br>_____<br>Well diameter & depth: _____<br>Number of proposed points of withdrawal: _____<br>Do you have an existing well? <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If available, attach Water Well Report and pump test.<br>Well Tag ID No. _____ |

#### C.) Point of Diversion/Withdrawal – Legal Description

| Parcel No.                | ¼        | ¼  | Section     | Township | Range | County   |
|---------------------------|----------|----|-------------|----------|-------|----------|
| <b>POD #1:</b> 4026131003 | SE       | NW | 13          | 40N      | 26E   | Okanogan |
| Lot(s)                    | Block(s) |    | Subdivision |          |       |          |
| 6                         |          |    |             |          |       |          |

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

2,600 feet ( North/ South) and 1,490 feet ( East/ West)

from the (NW SW NE SE  \_\_\_\_\_) corner of Section 13.

| Parcel No.                | ¼        | ¼  | Section     | Township | Range | County   |
|---------------------------|----------|----|-------------|----------|-------|----------|
| <b>POD #2:</b> 4026131002 | SE       | NW | 13          | 40N      | 26E   | Okanogan |
| Lot(s)                    | Block(s) |    | Subdivision |          |       |          |
| 7                         |          |    |             |          |       |          |

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

2,470 feet ( North/ South) and 1,730 feet ( East/ West)

from the (NW SW NE SE  \_\_\_\_\_) corner of Section 13

*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

(see attached Exhibit D for BLM Right-of-Way Grant)

Provide the owner name(s), address, and phone number: Bureau of Land Management - Karen Kelleher, Wenatchee

Field Office Manager, Wenatchee Field Office, 915 Walla Walla Ave., Wenatchee, WA 98801. (509) 665-2100

### 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.**

| See attached Exhibit A. |    |         |      |       |          |            |
|-------------------------|----|---------|------|-------|----------|------------|
|                         |    |         |      |       |          |            |
|                         |    |         |      |       |          |            |
|                         |    |         |      |       |          |            |
|                         |    |         |      |       |          |            |
| ¼                       | ¼  | Section | Twp. | Range | County   | Parcel No. |
| SE                      | NW | 13      | 40N  | 26E   | Okanogan | 4026131003 |

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

(see attached Exhibit D for BLM Right-of-Way Grant)

Provide owner name(s), address, and phone number: Bureau of Land Management - Karen Kelleher, Wenatchee

Field Office Manager, Wenatchee Field Office, 915 Walla Walla Ave., Wenatchee, WA 98801. (509) 665-2100

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: Adjudication Certificate Nos. 1 and 1-a (also see S4-

\*01001BDJWRIS and S4-\*01001ADJWRIS) - total 1,000 CFS of water rights held by the Public Utility District

No. 1 of Okanogan County. (see attached Exhibits F, G, and H)

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.  
See attached Exhibit A.

**Section 5. WATER SYSTEM DESCRIPTION**

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source):

**POD #1:** This proposed hydroelectric project will restore hydropower generation at Enloe reservoir to utilize the hydroelectric generation potential between Enloe Reservoir and the pool downstream of Similkameen Falls. Enloe Dam and hydropower plant was originally constructed in 1923. The existing hydro powerhouse was decommissioned in 1958. The project is comprised of (1) restoration of full storage capacity of Enloe Reservoir by installing 5 feet high crest gates on the spillway crest of Enloe Dam to replace the original 5 feet high stoplogs; (2) excavation of a new 190-foot long unlined intake canal in bedrock from the east bank of the reservoir to the proposed penstock intake structure; (3) construction of a new penstock intake structure and two 150 feet long by 8.5 feet diameter above-ground steel penstocks; (4) construction of a new concrete powerhouse containing two 4.5 MW vertical Kaplan turbines, synchronous generators and appurtenant electrical and mechanical equipment; (5) excavation of a new 180 feet long unlined tailrace channel; (6) power transmission and communications facilities; and (7) associated access roads, construction laydown areas, environmental mitigation measures, and recreation enhancements. The FERC License application includes a comprehensive program of protection, mitigation, and enhancement measures (PM&E's). The project will be operated in run-of-river mode whereby powerplant outflow will be regulated to match reservoir inflow and maintain a stable water surface elevation in Enloe Reservoir.

**POD #2:** This is an existing point of diversion. This point of diversion is a submerged gated penstock intake structure in the right (west) abutment of Enloe Dam at elevation 1,032 feet (centerline located about 13 feet below normal water level). The intake diverts water from the reservoir through trashracks and sluice gates into two 84-inch diameter riveted steel pipelines that once delivered water to Enloe Powerhouse. One of the two penstocks has been decommissioned; the remaining intake is the existing point of diversion.

**Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION**

Complete A or B, and C below

| A.) Domestic Water Systems only                                       | B.) Municipal Water Systems only<br><i>(defined under RCW 90.03.015)</i> |
|---|--|
| Projected number of connections to be served:<br>_____                | Present population to be served water:<br>_____                          |
| Type of connections: _____<br><i>(e.g., home, recreational cabin)</i> | Estimate future population to be served:<br>_____ (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?  YES  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?  YES  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 81 feet (average gross head) and proposed capacity in kilowatts: 9,000 (or 9 megawatts)

Describe works: The proposed diversion facility would be a new 180-foot long unlined intake channel to be constructed on the east bank of Enloe Reservoir immediately upstream of Enloe Dam. The proposed bypass reach would be the 320-foot (plan length) reach of the Similkameen River which starts at the outlet of Enloe Spillway and ends at the entrance to the existing plunge pool below Similkameen Falls. This reach of river channel is about 320 feet long by 170 feet wide. During the annual flood this area serves as a highly turbulent stilling zone for high velocity flow exiting Enloe Spillway. High water velocity in this reach has scoured the channel to bedrock and has created scour holes and channels in the underlying conglomerate bedrock. During lower flow periods that occur from late summer through to early spring, energy dissipation in outflow from the reservoir primarily occurs on the sloping apron immediately downstream of the spillway and the flow through the remainder of this reach is not affected by the spillway.

Indicate all uses to which power is to be applied: The District's customer base includes agricultural, residential, industrial, commercial, and municipal.

FERC License No: FERC Final License Application was submitted on August 22, 2009 for FERC Project No. 12569.

**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.*

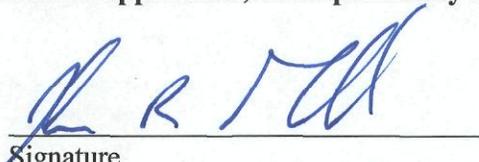
**Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: From U.S. Highway 97, Oroville: Head northwest on US-97 N. toward 8<sup>th</sup> Ave., Turn left at Central Ave. W. (signs for Golf Course), Continue onto Loomis Oroville Rd., Turn left toward Enloe Dam Rd., Turn left at Enloe Dam Rd., Enloe Hydroelectric Project will be on the right.

Site Address: Enloe Hydroelectric Project, Enloe Dam Road, Oroville, WA.

**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.**

John R. Grubich, General Mgr.  6/8/2010  
Print Name Signature Date  
(Applicant or authorized representative)

\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

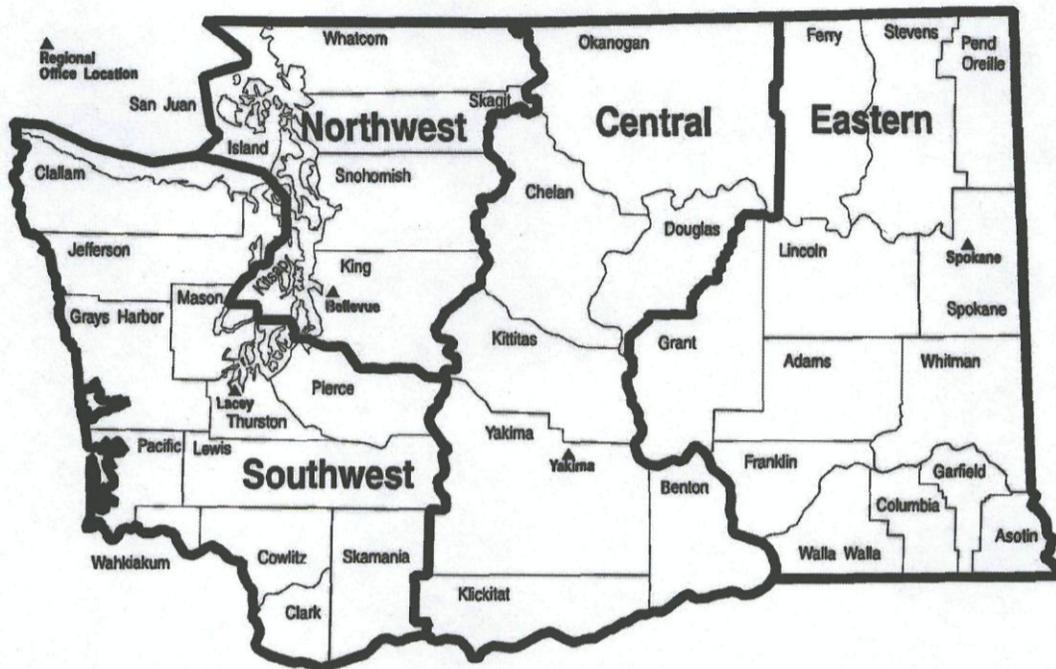
\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

\_\_\_\_\_  
Print Name Signature Date  
(Landowner of Place of Use)

**Submit your application to:** DEPARTMENT OF ECOLOGY  
CASHIERING SECTION  
PO BOX 47611  
OLYMPIA, WA 98504-7611

Please check the region in which your proposed project is located.  
 Southwest  Northwest  Central  Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.



**Southwest Regional Office:** 360-407-6300

**Northwest Regional Office:** 425-649-7000

**Central Regional Office:** 509-575-2490

**Eastern Regional Office:** 509-329-3400



## State of Washington INSTRUCTIONS for the Application for a Water Right Permit

Please read these instructions carefully. Be accurate and complete in filling out your application, as the information you provide is very important in processing your application. Be sure to attach your fees, maps, and any additional information related to the water uses you are proposing.

If you need assistance, please contact the regional office in which your project will be located. A map of the Ecology regions is on the back page of the application. If your answers to any questions are longer than the space provided, you may attach additional sheets as necessary.

### Check Boxes

Check the appropriate box for Surface or Ground Water.

Check the appropriate box for Permanent, Temporary, or Short Term use (duration of 4 months or less).

### Application Fee

- A minimum fee of \$50.00 is required for each new application for a water right permit.
- No fees are required for applications to be processed under a Cost Reimbursement contract.
- No fees are required for Emergency Drought Applications (only when a drought is declared).

If additional fees are required, Ecology will send you a letter requesting those fees. If you are unsure of the appropriate fee amount, contact your regional office for more information, or visit our website:

<[http://www.ecy.wa.gov/programs/wr/rights/wr\\_fees.html](http://www.ecy.wa.gov/programs/wr/rights/wr_fees.html)>.

**Please make checks or money orders payable to the "Department of Ecology." Cash cannot be accepted. ALL FEES ARE NONREFUNDABLE.**

### Section 1. APPLICANT

Enter the name of the person, organization, or water system for which the water right permit is requested. For instance, if the permit is required for a community water system, enter the name of the system (e.g. Green Acres Water Works). Enter a mailing address, including zip, daytime telephone, an alternate or cell phone number, and an Email address (if you have one).

Provide the name of a contact person (if different from above) to call in case we have questions about the application or proposed project. Describe the relationship of the contact person to the applicant, e.g. "consultant," "water systems engineer," "realtor," "chair of community well organization," etc.

## Section 2. STATEMENT OF INTENT

Provide a brief description of the purpose of your proposed project and the anticipated length of time to complete the project.

### Water Use

List the purpose(s) for which you are proposing to use the water (see examples of purposes below). Check the appropriate box to indicate if the rate you have provided is measured in cubic feet per second or gallons per minute. For each purpose provide the maximum rate at which water is proposed to be taken from the water source. If known, provide the maximum quantity to be used for the purposes in acre-feet per year. Provide period of use (months) in which the water will be used for each purpose. Total the water needs for each purpose of use and write the total within the space provided.

### Short Term/Temporary Water Use

If this application is being submitted for a short term (less than four months – see Policy 1037) or temporary water use (see Policy 1035), check the appropriate box and indicate the dates the water will be needed.

For more information on Water Resources Program Policies, contact your regional office or visit our website: [http://www.ecy.wa.gov/programs/wr/rules/pol\\_pro.html#wradminpolicy](http://www.ecy.wa.gov/programs/wr/rules/pol_pro.html#wradminpolicy).

### Examples of purpose(s)

Be sure that you include ALL uses that you propose, not just the major use of water. Some examples are:

- Dairy
- Domestic-Multiple
- Domestic-Single
- Dust Control
- Fish Propagation
- Frost Protection
- Heat Exchange
- Hydropower
- Industrial/Manufacturing/Commercial
- Irrigation
- Mining
- Municipal
- Stockwater
- Other (describe)

## Section 3. POINT OF DIVERSION OR WITHDRAWAL

Complete A or B, and C

### A.) If Surface Water Source

Check the appropriate box if you plan to divert water from a spring, creek, river, lake, or other (describe). Enter the source name, e.g. "Wenatchee River." If the source feeds another body of surface water, give the name of the body of water to which the source is a tributary, e.g. "Columbia River." Enter the number of proposed diversion points. Check the appropriate box if you have an existing diversion.

### B.) If Ground Water Source

Check the appropriate box if you plan to withdraw water from a well or other ground water system (describe). Enter the diameter, depth, and the number of proposed points of withdrawal (wells). Check the appropriate box if you have an existing well. If the well has been constructed, attach a Water Well Report. If you have already done a pump test, attach a copy of the pump test results. Provide the Well Tag ID number, if available.

### C.) Point of Diversion/Withdrawal Location – Legal Description

Enter the parcel number, quarter-quarter ( $\frac{1}{4}$ ), section, township, range and county in which each point of diversion or withdrawal is located. If the location has been platted (subdivided), enter the lot, block, and subdivision name. You can generally obtain this information from a legal description or plat of the property, or from your county assessor's office. If there are more than two points of diversion or withdrawal, attach additional information on a separate sheet of paper.

If known, enter the distances in feet from the nearest section corner to each point of diversion or withdrawal (e.g.

420 feet south and 150 feet west from the Northeast Corner of Section 12). You can obtain this information by measuring the distance on a USGS map, other map drawn to scale, or by measurement on the ground.

Check if you own the land containing the proposed point of diversion/withdrawal. If you don't own the land, provide the owner's name(s), address, and phone number. Please check whether you have legal authority to make this application for use of another's land.

#### Section 4. PLACE OF USE

Attach a legal description of the lands where you propose to use the water or copy it carefully in the space provided. You can usually obtain a legal description from a survey, county assessor's office, real estate contract, title insurance policy, or property deed. Also include the tax parcel number(s) if available.

Check if you own all of the lands on which the proposed place of use is located. If you do not own the lands, provide the owner's name(s), address and phone number. If this is a community or municipal water system, please include a copy of your current and future service area map.

*NOTE: Landowner's signature is required in Section 11.*

Check if there are any other water rights or claims associated with this property or water system. If yes, provide the water right and/or claim numbers.

**Attach a map of your project showing the point(s) 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

Provide a description of your proposed project, explaining how you will divert, pump, distribute, and store the water, and any conservation measures you may be taking. Include proposed size, capacity, location, and motor horsepower of any pump.

#### Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

Complete A or B, and C

##### A.) Domestic Water Systems

Enter the projected number of connections to be served and the type of connection (e.g. home, recreational cabin).

##### B.) Municipal Water Systems (as defined under RCW 90.03.015)

Enter the present population to be served water and estimate the future population to be served (20 year projection).

##### C.) Water System Planning

Check yes if you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division. Provide the date the plan was approved, as well as the water system number. Enter the name of the water system (e.g. Johnson Point Water Association).

Check yes, if you are within the service area of an existing water system and explain why you are unable to connect to the system.

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

##### Irrigation

Provide the total number of acres of land to be irrigated in the space provided. The number of acres to be irrigated should not include lands within the general irrigation area that may contain buildings, roads, etc. Outline the area to be irrigated on your attached map from Section 4.

##### Stockwater

Indicate total number of animals receiving stockwater and the type of animal (e.g. goats, chickens, llamas).

Check yes if the proposed project is for a dairy farm.

##### Other Proposed Farm Uses

Describe all other proposed farm uses (e.g. frost protection, heat control, or harvesting) listed in Section 2 and provide the proposed number of acres of land upon which each purpose would occur. Also note other uses of water on the farm (e.g. cleaning the milking parlor, washing cattle, or for a cooling system) and how much water is needed for each use.

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

In order to comply with the Family Farm Water Act, indicate if you have a controlling interest in more than 6,000

acres of irrigation as defined in RCW 90.66.040(3). This includes the number of acres that are irrigated under water rights acquired after December 8, 1977, acreage that would be irrigated under this application, and acreage proposed to be irrigated under other pending applications on file with the Department of Ecology.

Check yes, if the proposed project is over 6,000 acres.

Enter the permit number(s) of any Family Farm Development Permit in which you hold controlling interest.

#### Section 8. OTHER WATER USES

##### Hydropower

For hydropower projects, indicate the total feet of head and proposed capacity in kilowatts. Describe the proposed diversion facility, including the bypass reach. Indicate all uses to which power is to be applied. Enter the FERC license number.

##### Mining/Industrial Use

Describe use, method of supplying and utilizing water.

##### Other Use

Describe any other use(s) of water.

#### Section 9. WATER STORAGE

Check the appropriate box for each question.

If you answered yes to any of the questions, your project may require a reservoir permit, or an approval from Ecology's Dam Safety Program. For criteria on reservoir permits contact the regional office in which your project is located.

#### Section 10. DRIVING DIRECTIONS

Provide detailed driving directions from the nearest town to the project site. If applicable, provide the site address.

#### Section 11. REQUIRED SIGNATURES

The applicant or authorized representative (e.g. the Public Works Director of a municipality, or the chair of a community water system) AND the landowner(s) of the place of use MUST sign the application.