



Oregon Water Resources Department  
 725 Summer Street NE, Suite A  
 Salem Oregon 97301-1271  
 (503) 986-0900  
 www.wrd.state.or.us

# Application to Develop a Minor Hydroelectric Project

(Less than 100 theoretical horsepower)

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply, please insert "n/a". Please read and refer to the instructions guide when completing your application. A summary of review criteria and procedures that are applicable to minor hydroelectric projects is available at [www.wrd.state.or.us](http://www.wrd.state.or.us) Thank you.

## 1. APPLICANT INFORMATION

Applicants: Paul & Patricia Jordan  
First Last

Organization: \_\_\_\_\_  
First Last

Mailing Address: 3335 Riverside Dr S, Salem, OR 97306  
City State Zip

Phone: 503-375-3781 503-551-9467  
Home Work Other

\*Fax: 503-375-3781 E-mail address: Custom-Carpentry-inc@hotmail.com

\*Optional Information

## 2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water? This includes diversion location and place of use; roads; rights-of-way; and canals or ditches.

Yes (Skip to section 3 "Water Use")

No Please check the appropriate box below.

- I have a recorded easement or written authorization permitting access.
- I do not currently have written authorization or easement permitting access. **Note: A water right cannot be issued without written authorization or easement provided to the Department.**

List the names and mailing addresses of all affected landowners.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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Attach a separate sheet if needed.

### 3. WATER USE

**A. Proposed Source and Amount of Water**

Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into. If unnamed, say so. If the source will be a reservoir, list reservoir name and/or permit number:

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (CFS) or gallons per minute (GPM). If the proposed use is from storage, provide the amount in acre-feet (AF):

(1 cubic foot per second = 448.8 gallons per minute    1 acre-foot = 43,560 cubic feet)

*Rate of  
up to 6000  
- Diversion -*

Source	Tributary to	Amount (AF, CFS, GPM)
Jordan's Pond	Wilkerson Creek	all will return to
	tributary to	Wilkerson Creek
	Willamette River	

**B. Period of Use**

Indicate the time of year when you propose to use water:

year round

**C. Power Development**

The project will utilize            (number of feet) of gross head to develop

7 ~~The~~            (number) theoretical horsepower (THP).

*THP is calculated by multiplying the quantity of water to be diverted in cubic feet per second by the vertical head in feet and dividing the product by 8.8). The head is the difference in elevation between the intake of the pipeline and the return discharge to the stream.*

**D. Location**

The point of diversion is located within the ~~NW~~<sup>NE</sup> ¼ of the NW ¼ of Section 06, Township 9S, Range 3W, W.M.,

The power plant is located within the \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, W.M., in \_\_\_\_\_ County.

After passing through the power plant, the water utilized will be returned to Wilkerson Creek (stream) in the NE ¼ of the NW ¼ of Section 06, Township 9S, Range 3W, W.M.

**E. Project Facilities**

(IF APPLICABLE) The diversion dam will have a height of 0 feet, a crest width of \_\_\_\_\_ feet, an upstream slope of \_\_\_\_\_ feet horizontal to one foot vertical, and a downstream slope of \_\_\_\_\_ feet horizontal to one foot vertical.

Describe the type of dam and the material with which it will be constructed:

Current pond existing since approx 1977

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(IF APPLICABLE) The storage reservoir will be located on Willkerson Creek (body of water), tributary to Willamette River (body of water) in Section 06, Township 9S, Range 3W, W.M. When full the reservoir will have a surface area of 1 acres and a total storage volume of \_\_\_\_\_ acre-feet.

(IF APPLICABLE) The canal will have a length of \_\_\_\_\_ feet, a slope of \_\_\_\_\_ feet horizontal /feet vertical, a base width of \_\_\_\_\_ feet, and a top width of \_\_\_\_\_ feet.

(IF APPLICABLE) The pipeline will have a length of \_\_\_\_\_ feet, a diameter of \_\_\_\_\_ inches, and the difference in elevation between the intake and discharge will be \_\_\_\_\_ feet. The type of pipe used is \_\_\_\_\_

Describe the type of water wheel and generator that will be used: steel wheel w/ wood buckets, 5000 watt generator head

#### 4. WATER MANAGEMENT

##### **A. Monitoring**

How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water?

Weir                       Meter                       Periodic Sampling    N/A    current diversion

Have you planned for a minimum bypass flow? yes

Describe

all water will flow as currently flowing

#### 5. RESOURCE PROTECTION

In granting permission to use water from a stream or lake, the state requires, careful control of activities that may affect the waterway or streamside area. Please indicate any of the practices you plan to undertake to protect water resources.

Diversion will be screened to prevent uptake of fish and other aquatic life.

Describe planned actions:

Screening will be placed around outflow

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Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas. Describe planned actions: None will be needed

Operating equipment in a water body will be managed and timed to prevent damage to aquatic life. Describe: no eq will be in the water body

Water quality will be protected by preventing erosion and run-off of waste or chemical products. Describe: current flow protects wildlife

## 6. FINANCES AND SCHEDULE

The estimated cost of the project is \$ \_\_\_\_\_.

The proposed use or market for the power to be developed is: residential

The time schedule for completing the project after a water right is issued is 1 month

The estimated life of this project is not ending years. Upon a decision to terminate project operations, the project must be decommissioned under applicable Oregon laws. Upon project termination, the proposed method of removal is \_\_\_\_\_

**7. NEIGHBORS**

The following individuals own property within 300 feet of the proposed powerhouse:  
(include names, physical addresses, and mailing addresses)

Vitaliy Bustraka 3565 Riverside Dr S, Salem OR 97306  
Paul Dilger 8678 Skyline rd Salem OR 97306

**8. REMARKS**

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

System is currently in place

**9. MAP REQUIREMENTS**

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter-quarter section of the proposed diversion location and powerhouse. See the map guidelines sheet for detailed map specifications.

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**10. SIGNATURE**

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided.
- I cannot legally use water until the Water Resources Department issues a water right to me.
- If I get a water right, I must not waste water.
- If development of the water use is not according to the terms of the water right, the water right can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a water right to me, I may have to stop using water to allow senior water right holders, instream water rights or minimum bypass flows to get water they are entitled to, and

I affirm that all information provided in this application is true and correct to the best of my knowledge.

*Patricia Jordan*

Signature of applicant

9-2-7

Date

*Paul Jordan*

Signature of applicant

9-2-07

Date

**11. EXHIBITS**

The following Exhibits must be included as a part of this application:

- Exhibit A** Narrative Statement describing the proposed project from the point(s) of diversion to the water return area.
- Exhibit B** Project Map (See Guide for Minor Hydroelectric Applications)
- Exhibit C** Tax Assessors map showing all property lines within 300 feet of the proposed powerhouse.
- Exhibit D** Attach land use form. Land use form must be signed by the local planning official, certifying that the use and structures associated with this project are allowed. The land use form is available from the OWRD Salem office or OWRD web site, <http://www1.wrd.state.or.us/pdfs/landuseform.pdf>

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The proposed water wheel at 3335 Riverside Dr S is a project constructed on a current holding body of water. The inflow remains the same as has been since approximately 1977. The outflow was moved in 2007 since the previous outflow had broken and was eroding the surrounding habitat. The outflow is of the same volume and direction as previous. No water will be “used up” in this process and Wilkerson creek continues to flow year round.

This project takes water from Jordan’s Pond (water storage permit applied for) off of Wilkerson Creek (at t9s r3w section 6) thru nine 4” ABS pipes located as an outflow, across a water wheel located behind an existing bank structure, returning to Wilkerson Creek as it always has since original construction in approximately 1977.

There will be a powerhouse located next to the water wheel.

Maintenance will be ongoing as needed to keep the system in operation.

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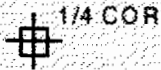
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# SEC.06 T9S R3W WM, MARION COUNTY

NE Quarter



MAP 08 3W 31



1/4 COR

(CR 906)

N89 48W (1205.18)  
N89 08 59W 1187.92

5.27 CH  
(347.82)

31 32



201  
23.46 AC

100

WATER WHEEL  
POND  
WILKERSON CREEK

N44E 47.25 CH (3118.50)  
N44 10 30E 1838.08

SIDNEY RD

CR 906

DELTA 43D 01  
R 520.87  
T 205.27  
L 391.06

814 00 13 0

BURLINGTON

N44 10 30E

600

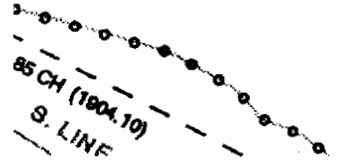
1/4 EASEMENT

800

S 44 W

N44 50E 1408.47

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SCALE 1" = 400'





# Oregon Water Resources Department Land Use Information Form

THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water-right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: Paul & Patricia Jordan  
Mailing Address: 3335 Riverside Dr S  
City: Salem State: OR Zip: 97306 Day Phone: 503-375-3781

This application is related to a Measure 37 claim.  Yes  No

### A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼¼	Tax Lot #	Plan Designation (e.g. Rural Residential/RR-5)	Water to be:	Proposed Land Use:
95	3W	06		201	Special Ag / SA	<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	

List all counties and cities where water is proposed to be diverted, conveyed, or used. Marion

### B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
- Allocation of Conserved Water
- Permit Amendment or Ground Water Registration Modification
- Water-Right Transfer
- Limited Water Use License
- Exchange of Water

Source of water:  Reservoir/Pond  Ground Water  Surface Water (name) \_\_\_\_\_

Estimated quantity of water needed: 0  cubic feet per second  gallons per minute  acre-feet

Intended use of water:  Irrigation  Commercial  Industrial  Domestic for household(s)  
 Municipal  Quasi-municipal  Instream  Other hydro power

Briefly describe: water wheel to create power

**Note to applicant:** If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department.

### Receipt for Request for Land Use Information

State of Oregon  
Water Resources Department  
725 Summer Street NE, Suite A  
Salem, OR 97301-1266

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## For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form.

This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

**Please check the appropriate box below and provide the requested information**

✓ ✓

Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): 137.020

Land uses to be served by proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.)  
**If approvals have been obtained but all appeal periods have not ended, check "Being pursued".**

Type of Land-Use Approval Needed (e.g. plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

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✓ Name: Joe Ferrimore Title: Principal Planner  
 ✓ Signature: Joe Ferrimore Phone: (503) 584-5038 Date: 10/2/17  
 ✓ Government Entity: Marion County

**Note to local government representative:** Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

**Receipt for Request for Land Use Information**

Applicant name: \_\_\_\_\_

City or County: \_\_\_\_\_ Staff contact: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

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