



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

Application for a Permit to Store Water in a Reservoir (Standard Review)

Standard Review Process (ORS 537): You must use this form for any reservoir storing more than 9.2 acre-feet and with a dam more than 10 feet high.

Use a separate form for each reservoir. However, to obtain authorization for multiple reservoirs, multiple forms may be combined into one application if filed at the same time.

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml

1. APPLICANT INFORMATION

Applicant: JACKSON FARMS
First Last

Mailing Address: 89086 Cranberry Bog Lane

BANDON OREGON 97411
City State Zip

Phone: 541-347-9392 541-294-0442
Home Work Other

Fax: _____ E-Mail Address*: jacksonrickfarms@gmail.com

* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (paper copies of the final order documents will also be mailed.)

I(We) make application for a permit to construct a reservoir and store the following described waters of the State of Oregon. The name of the reservoir is JACKSON RESERVOIR

2. SOURCE OF WATER for the proposed use: UN-NAMED STREAM
 a tributary of BEAR CREEK

Is the proposed use an enlargement of an existing dam/reservoir? Yes No

If the reservoir is not in channel of a stream, state how it is to be filled:

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For Department Use		
App. No. _____	Permit No. _____	Date _____

3. DAM HEIGHT AND COMPOSITION 60.00

The maximum height of the structure will be 60.00 feet above streambed or ground surface at the centerline of the crest of the dam.

Attach preliminary plans, specifications and supporting information for the dam and impoundment area including dam height, width, crest width and surface area.

Note: If your dam height is greater than or equal to 10.0' above land surface AND your reservoir will store equal to or greater than 9.2 acre-feet, engineered plans and specifications must be approved prior to storage of water.

The dam will be (check one): Earthfill Concrete Flash board Other

If "other" give description:

4. PRIMARY OUTLET WORKS

Describe the location and the dimensions of the outlet conduit through the dam:

AN 18 INCH CONDUIT UNDER THE CENTER ON THE DAM.

NOTE: Most dams across a natural stream channel will need an outlet conduit having a minimum diameter of 8 inches or greater.

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5. EMERGENCY SPILLWAY

Describe the location and the dimensions of the spillway channel:

AN EXCAVATED EARTHEN SPILLWAY JUST SOUTH ON THE LEFT ABUTMENT.

6. THE USE(s) of the impounded water will be:

CRANBERRY USE (45 A.F.) AND RECREATION (45 A.F.)

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7. **THE AMOUNT OF WATER** to be stored is: 90.0 acre-feet.

The area submerged by the reservoir, when filled, will be 4.0 acres.

8. PROJECT SCHEDULE: (List Month and Year)

Proposed date construction work will begin: CONSTRUCTION COMPLETED

Proposed date construction work will be completed: CONSTRUCTION COMPLETED

Proposed date water use will be completed: OCTOBER, 2023

Is this project fully or partially funded by the American Recovery and Reinvestment Act? (Federal stimulus dollars)

9. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

Yes (Please check appropriate box below then skip to section 10)

There are no encumbrances

This land is encumbered by easements, rights of way, roads or other encumbrances (please provide a copy of the recorded deed(s))

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 an easement permitting access.

Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

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List the names and mailing addresses of all affected landowners:

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10. WITHIN A DISTRICT

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Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

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Irrigation District Name	Address	
City	State	Zip

11. 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 reservoir location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

12. 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 in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.

I certify that the information I have provided in this application is an accurate representation of the proposed water use and is true and correct to the best of my knowledge:

Applicant: Rob W. Jackson Pro SFI 4-26-2018
Signature (If more than one applicant, all must sign.) Date

Before you submit your application be sure to:

- Answer each question completely.
- Attach a legible map that includes township, range, section, quarter/quarter and tax lot.
- Include a Land Use Information Form or receipt stub signed by a local official.
- Include the legal description of all the property involved with this application. You may include a copy of your deed land sales contract or title insurance policy to meet this requirement.
- Include a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

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Application for a Permit to Store Water in a Reservoir (Standard Review)



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

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Water-Use Permit Application Processing

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1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law.our). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

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2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$260. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$410.00 for the applicant and \$810.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department can issue a Final Order within 60 days of the close of the period for receiving protest. If the application is approved, a permit is issued. The permit specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- | | |
|---|---|
| <input checked="" type="checkbox"/> SECTION 1: applicant information | <input checked="" type="checkbox"/> SECTION 7: the amount of water to be stored |
| <input checked="" type="checkbox"/> SECTION 2: source of water | <input checked="" type="checkbox"/> SECTION 8: project schedule |
| <input checked="" type="checkbox"/> SECTION 3: dam height and composition | <input checked="" type="checkbox"/> SECTION 9: property ownership |
| <input checked="" type="checkbox"/> SECTION 4: primary outlet works | <input checked="" type="checkbox"/> SECTION 10: within a district |
| <input checked="" type="checkbox"/> SECTION 5: emergency spillway | <input checked="" type="checkbox"/> SECTION 11: map requirements |
| <input checked="" type="checkbox"/> SECTION 6: the use of the impounded water | <input checked="" type="checkbox"/> SECTION 12: signature |

Attachments:

- Land Use Information Form with approval and signature (*must be an original*) or signed receipt
- Provide the legal description of: (1) the property on which the water is to stored, and (2) any property crossed by the proposed ditch, canal or other work
- Fees - Amount enclosed: \$^{1714.00}
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- Preliminary plans and specifications including dam height, width, crest width and surface area for each reservoir

Provide a map and check that each of the following items is included:

- Map must be prepared by Certified Water Rights Examiner
- Permanent quality and drawn in ink
- Even map scale not less than 4" = 1 mile (examples: 1" = 400 ft, 1" = 1320 ft.)
- North Directional Symbol
- Township, Range, Section, Quarter/Quarter, Tax Lots
- Reference public-land survey corner on map
- Location of each dam if applicable, by reference to a recognized public-land survey corner (distances north/south and east/west)
- Indicate the area of use by Quarter/Quarter and tax lot identified clearly
- Number of acres per Quarter/Quarter and hachuring to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
- Other GRI Closure Letter

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***Please note a secondary application is necessary if there will be out-of-reservoir uses associated with this application.**

COOS County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2018
NOT OFFICIAL VALUE

April 26, 2018 11:10:42 am

Account # 980900
Map # 28S1428-00-00400
Code - Tax # 5403-980900

Tax Status ASSESSABLE
Acct Status ACTIVE
Subtype NORMAL

Legal Descr See Record

Mailing Name JACKSON FAMILY TRUST; ETAL

Deed Reference # 1998-73172 (SOURCE ID(T):
98-03-1232)

Agent JACKSON FARMS, INC.

Sales Date/Price 03-02-1998 / \$388,829.00

In Care Of

Appraiser

Mailing Address 89086 CRANBERRY BOG LN
BANDON, OR 97411-8371

Prop Class 572 MA SA NH Unit
RMV Class 500 06 27 RRL 17723-1

Situs Address(s)	Situs City
ID# 89087 CRANBERRY BOG LN	BANDON

Code Area		Value Summary			RMV Exception	CPR %
		RMV	MAV	AV		
5403	Land	30,858			Land	0
	Impr.	246,940			Impr.	0
Code Area Total		277,798	223,310	250,547		0
Grand Total		277,798	223,310	250,547		0

Code Area	ID#	RFD	Ex	Plan Zone	Value Source	Land Breakdown			Land Class	LUC	Trended RMV
						TD%	LS	Size			
5403	40	R		EFU	Farm Site	100	A	1.00	AVM	006*	7,160
5403	60	R		EFU	Farm Use Zoned	100	A	4.28	BOGL	006*	6,850
5403	20	R		EFU	Farm Use Zoned	100	A	3.32	BOGL	006*	5,310
5403	30	R		EFU	Farm Use Zoned	100	A	5.56	DIKE	006*	6,100
5403					SITE AMENTIES	100					4,000
5403	10	R		EFU	Small Tract Forest land	100	A	18.01	STF-E	006*	1,440
Grand Total								32.17			30,860

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown			Total Sq. Ft.	Ex% MS Acct #	Trended RMV
					TD%					
5403	1	1998	143	Two story-Class 4	100		2,782		246,940	
Grand Total								2,782		246,940

Code Area	Type	Exemptions/Special Assessments/Potential Liability									
5403		SPECIAL ASSESSMENT:									
		■ FIRE PATROL SRCHG	Amount	47.50		Year	2018				
		■ FIRE PATROL TIMBER	Amount	39.85	Acres	26.89	Year	2018			
		NOTATION(S):									
		■ FARM HOMESITE									
		■ FARM/FOREST POT'L ADD'L TAX LIABILITY									
		FARM/FORST									
		■ FIRE PATROL ADDED 2014									
		AFFIDAVIT #20303 - #980990 COMBINED INTO #980900 RURAL FIRE/FIRE PATROL SPLIT CODE CONSOLIDATION									

MS Account(s): 5403-P-224422

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COOS County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2018

NOT OFFICIAL VALUE

April 26, 2018 11:09:31 am

Account # 980800
 Map # 28S1428-00-00500
 Code - Tax # 5403-980800

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

Legal Descr See Record

Mailing Name JACKSON FAMILY TRUST; ETAL

Deed Reference # 1998-73172 (SOURCE ID(T):
 98-03-1232)

Agent JACKSON FARMS, INC.

Sales Date/Price 03-02-1998 / \$388,829.00

In Care Of

Appraiser

Mailing Address 89086 CRANBERRY BOG LN
 BANDON, OR 97411-8371

Prop Class 572 MA SA NH Unit
 RMV Class 500 06 27 RRL 17718-1

Situs Address(s)	Situs City
ID# 10 89052 CRANBERRY BOG LN	BANDON
ID# 89086 CRANBERRY BOG LN	BANDON

Value Summary					
Code Area	RMV	MAV	AV	RMV Exception	CPR %
5403 Land	66,860			Land	0
Impr.	378,960			Impr.	0
Code Area Total	445,820	307,550	366,325		0
Grand Total	445,820	307,550	366,325		0

Land Breakdown											
Code Area	ID#	RFD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC	Trended RMV
5403	50	R		EFU	Farm Site	100	A	1.00	AV	006*	7,160
5403	70	R		EFU	Farm Site	100	A	1.00	AVM	006*	7,160
5403	90	R		EFU	Farm Use Zoned	100	A	4.93	BOGL	006*	7,890
5403	40	R		EFU	Farm Use Zoned	100	A	14.68	BOGL	006*	23,490
5403	30	R		EFU	Farm Use Zoned	100	A	9.81	DIKE	006*	10,770
5403					SITE AMENTIES	100					4,000
5403					SITE AMENTIES	100					4,000
5403	10	R		EFU	Small Tract Forest land	100	A	22.63	STF-E	006*	1,800
5403	20	R		EFU	Small Tract Forest land	100	A	10.24	STF-F	006*	590
Grand Total								64.29			66,860

Improvement Breakdown									
Code Area	Yr Built	Stat Class	Description	TD%	Total Sq. Ft.	Ex%	MS Acct #	Trended RMV	
5403	1	1994	462	MH REAL DOUBLE CLASS 6	100	1,188	R - 224463	53,080	
5403	1	1948	138	One story with attic-Class 3	100	1,916		174,550	
5403	2	1999	143	Two story-Class 4	100	1,536		173,630	
5403	3	1986	303	General Purpose Building	100	2,652		21,840	
5403	4	1986	341	HAY COVER	100	2,080		8,940	
Grand Total						9,372		432,040	

Exemptions/Special Assessments/Potential Liability									
Code Area	Type								
5403	SPECIAL ASSESSMENT:								
	■ FIRE PATROL TIMBER	Amount	78.98	Acres	53.29	Year	2018		
	■ FIRE PATROL SRCHG	Amount	47.50			Year	2018		
	NOTATION(S):								
	■ FARM HOMESITE								
	■ FARM/FOREST POT'L ADD'L TAX LIABILITY								
	FARM/FORST								
	■ FIRE PATROL ADDED 2014								
	AFFIDAVIT #20303 - #980890 COMBINED INTO #980800 RURAL FIRE/FIRE PATROL SPLIT CODE CONSOLIDATION								

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Account # 980800
MS Account(s): 5403-R-224463

*** The Real MS value is not included in the total of the real account

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RETURN TO: ~~98-03-0019~~

After recording return to:
Lee D. Kerzen
260 Country Club Road, Suite 210
Eugene, OR 97401

Send Tax Statements to:
Jackson Farms, Inc.
Rt. 2, Box 466
Bandon, OR 97411

RE-RECORDED 98 03 1232

MEMORANDUM OF LAND SALE CONTRACT

KNOW ALL BY THESE PRESENTS, that on March 2, 1998,
James W. Jackson and Jenny L. Jackson, Co-Trustees of Jackson
Family Trust, UTD 3/11/91 as Seller and Jackson Farms, Inc., as
Buyer, made and entered into a certain Land Sale Contract wherein
said Seller agreed to sell to Buyer and the latter agreed to
purchase from said Seller the fee-simple title in and to the
following-described real property in ~~Lane~~ Coos County, State of Oregon,
to wit:

SEE ATTACHED EXHIBIT A

The true and actual consideration paid for this transfer,
stated in terms of dollars, is \$388,829.00.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN
THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND
REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE
PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE
APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED
USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR
FOREST PRACTICES AS DEFINED IN ORS 30.930.

IN WITNESS WHEREOF, the said Sellers have executed this memorandum
on _____, 1998.

SELLER:

Jackson Family Trust

By: James W. Jackson
Trustee

By: Jenny L. Jackson
Trustee

STATE OF OREGON)
County of Coos) ss.

Personally appeared before me on March 2, 1998, the
above-named James W. Jackson and Jenny L. Jackson, who acknowledged
the foregoing instrument to be their voluntary act and deed.



Stephanie Mitchem
Notary Public for Oregon
My Commission Expires: 4-8-00

Re-Record To correct the legal in parcel III.

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~~98-03-0013~~

RE-RECORDED 98 03 1232

EXHIBIT A

Parcel I: The NE 1/4 of the NE 1/4 of Section 28, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

EXCEPT: That portion in the extreme Northeast corner as conveyed to John Haga by deed recorded April 5, 1905, in Book 41, Page 77, Deed Records of Coos County, Oregon, and two parcels conveyed to Maude Haga in the Northeast corner by deed recorded December 12, 1914, in Book 70, Page 324, Deed Records of Coos County, Oregon.

EXCEPT: That portion lying in public roads.

ALSO EXCEPT: The parcel conveyed to Graydon Haga and Beatrice Faye Haga, Husband and Wife, in instrument recorded August 29, 1960, in Book 280, Page 395, Deed Records of Coos County, Oregon.

Parcel II: A strip of land 20 feet wide on the North end of the NW 1/4 of the NE 1/4 of Section 28, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

EXCEPT: The west 450 feet thereof.

Parcel III: The S 1/2 of the NE 1/4 of Section 28, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

SAVE AND EXCEPT: the property conveyed to John M. Conrad and Gladys M. Conrad, in Book 227, Page 27, Deed Records of Coos County, Oregon, described as follows: Beginning at the Southwest corner of the NE 1/4 of said Section 28; thence North 1320 feet; thence East 860 feet; thence in a Southwesterly direction to a point 400 feet East of the place of beginning; thence West to the place of beginning.

ALSO SAVE AND EXCEPT: A tract of land adjoining the East boundary line of the above-described parcel of land and described as follows: Beginning at a point on the said East boundary line which is 775 feet North of the Southeast corner of the above-described tract; thence East 50 feet; thence North 125 feet; thence West 50 feet; thence Southerly 125 feet to the place of beginning.

Parcel IV: A parcel of land located situated in the NW 1/4 of the NE 1/4 of Section 28, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, more particularly described as follows: Beginning at the Southeast corner of the NW 1/4 of the NE 1/4; thence North 87° 54' 58" West along the South line of said NW 1/4 of the NE 1/4 436.95 feet; thence North 10° 38' 45" East 368.89 feet; thence West 166.00 feet; thence North 286.52 feet, thence East 542.65 feet, more or less, to the East line of said NW 1/4 of the NE 1/4; thence South 00° 41' 36" West 684 feet to the point of beginning.

RECORDING # 98031232

I, Mary Ann Wilson,
Coos County Clerk, certify
the within instrument
was filed for record at



1:44 ON 03/30/1998

By J. WILSON Deputy

pages 2 Fee \$ 10.00

Page 1 - Exhibit A

RECORDING # 98030013

I, Mary Ann Wilson,
Coos County Clerk, certify
the within instrument
was filed for record at



11:54 ON 03/02/1998

By J. WILSON Deputy

pages 2 Fee \$ 38.00

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Receipt for Request for Land Use Information

Applicant name: **JACKSON FARMS**

City or County: **COOS COUNTY**

Staff contact: **Sierra Brown**

Signature: *Sierra Brown*

Phone: **541-396-7770** Date: **4/26/18**

Revised 2/8/2010

Land Use Information Form - Page 3 of 3

WR/FS

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Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

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) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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Receipt for Request for Land Use Information

Applicant name: JACKSON FARMS

City or County: COOS COUNTY

Staff contact: Sierra Brown

Signature: *Sierra Brown*

Phone: 541-396-7770 Date: 4/26/18

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Land Use Information Form



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Applicant: JACKSON FARMS
First Last

Mailing Address: 89086 CRANBERRY BO LANE

BANDON OR 97411 Daytime Phone: 541-347-9392
City State Zip

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. 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	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
28 S	14 W	28	NENE	400		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	IRR/REC
28 S	14 W	28	SENE	500		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	IRR/REC
						<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, and/or used or developed:

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 MAY 03 2018 APR 30 2018

B. Description of Proposed Use

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

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

Source of water: Reservoir/Pond
 Ground Water
 Surface Water (name) JACKSON RESERVOIR

Estimated quantity of water needed: 90
 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 _____

Briefly describe:

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

See bottom of Page 3. →

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

Signature: _____ Phone: _____ Date: _____

Government Entity: _____

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: JACKSON FARMS

City or County: COOS COUNTY Staff contact: _____

Signature: _____ Phone: _____ Date: _____



9750 SW Nimbus Avenue
 Beaverton, OR 97008-7172
 p| 503-641-3478 f| 503-644-8034

July 23, 2014

5576 CLOSURE LTR

Jackson Farm
 89086 Cranberry Bog Lane
 Bandon, OR 97411

Attention: Rick Jackson
 Jim Jackson

**SUBJECT: Geotechnical Consultation and Closure Letter
 Jackson Farm Dam
 Bandon, Oregon**

At your request, GRI is providing geotechnical consultation for the above-referenced project. The purpose of our consultation was to gather information to serve as the basis for licensing the dam and perfecting your water right on an unnamed drainage that crosses your property from southwest to northeast. Our work included a site reconnaissance and condition survey, including reading the existing piezometers; limited engineering analyses; conversations with you and Frank Toor, CEG; and development of conclusions and recommendations regarding the condition and performance of the embankment portion of the dam and suitability of the embankment with respect to the original plans and specifications. Mitigation measures are provided for deficient conditions that were noted during our site reconnaissance. Our observations and recommendations regarding the suitability of the overall reservoir construction and long-term maintenance and operation are summarized below.

Site Reconnaissance

A reconnaissance of the reservoir site was completed on April 23, 2014, by David Driscoll, PE, GE, a senior geotechnical engineer and principal consultant with GRI; Driscoll was GRI's principal-in-charge for design of the dam. At the time of the reconnaissance, the three piezometers in the left abutment were read and the information added to the existing data set. All previous piezometer data were obtained by the consulting project engineering geologist, Frank Toor, CEG, and Rick Jackson, one of the project owners. All reported measurements are depths to the water surface referenced to the top of the individual plastic casings, which is essentially the same elevation as the top of the embankment at the piezometer location. The reservoir staff gage was read on the same days as the piezometers. At the time of our reconnaissance, the reservoir was full and water was flowing out the "stand pipe overflow" located at the end of the reservoir catwalk on the left side looking downstream. The following comments are based on handwritten field notes, which are attached.

- 1) The visible embankment slopes generally appear to have an adequate cover of grass and there are several small trees, brush, and shrubs. Surface erosion does not appear to be a major concern. Rick Jackson indicated he is aware of the need to remove all deeply rooted vegetation from the embankment surface. It was suggested to Rick that removal of the deeply rooted vegetation extend an additional 10 to 20 ft beyond the

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current clearing limits to expose the end of the 18-in.-diameter overflow pipe that controls the operating level of the reservoir.

The upstream slope is inclined at about 3H:1V, and the downstream slope is inclined at about 2H:1V. The top of the downstream slope is inclined at about 1¾H:1V as a result of a post-construction widening of the service road across the crest of the dam. The upstream slope typically has less woody vegetation than the downstream slope.

- 2) As noted above, deeply rooted trees and brush are present on all of the exposed embankment slopes. Some of this vegetation has been removed in the past, as evidenced by small stumps that remain after cutting and small depressions and disturbance that resulted when the vegetation was uprooted. In our opinion, all deeply rooted trees and brush should be removed by uprooting and the loosened surface soils recompacted as structural fill.
- 3) Drain pipes on the left abutment were flowing water; the remainder of the drains were dry or had a slow drip of water. None of the upper-level drains were flowing or dripping water. Areas of seepage and ponded water are common in the toe area downstream of the embankment. We recommend draining the ponded areas to a central discharge point and, if possible, collecting the discharge from the drains and seeps from the toe and lower face of the embankment and directing it to the same central location. Channelizing the seepage will allow identification of the original points of discharge and permit accurate measurement of the individual and total flow as a function of rainfall and reservoir elevation.
- 4) The discharge pipes of the toe drains are horizontal or tipped slightly downhill. This suggests that little or no downslope movement of surficial embankment fill materials has occurred since the end of construction.
- 5) Several of the toe drains were obscured by vegetation; these pipes should be cleared of vegetation so they can be observed. Lost or damaged rodent protection screens should also be replaced.
- 6) The open channel emergency spillway on the left abutment has been damaged by vehicular traffic and is over grown with vegetation. Rick Jackson pointed out that in its current configuration, the 18-in. overflow pipe was serving as the emergency spillway since it had been reduced 5 ft in height to reflect the state-approved reservoir operating level. While Rick's statement is true, should the 18-in. overflow plug during a storm event, the "open channel emergency spillway" could be called upon to function.

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Piezometer Data

A log for the boring drilled on the left abutment for the installation of the piezometers could not be located at the time of this report. However, based on conversations with Frank Toor, who directed the piezometer installation, it appears that all of the piezometers were installed below the compacted clayey silt embankment section in the undisturbed native dune sand. As discussed above, piezometer data have been

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obtained by Frank Toor, CEG; Rick Jackson; and most recently by GRI. The data are summarized on the attached sketch as a function of depth to water versus time in days. Although there are several gaps in the data, it is important to compare the available data over different times. For example, between about day 360 and about 820, changes of the reservoir level and the piezometer data track very closely. With the reservoir full between about day 543 and about 640, the piezometers readings remained essentially constant and stable. Comparing the data collected on about day 640 at full reservoir with the recently obtained data in April 2014, which was also at full reservoir, the piezometer readings are very similar.

Conclusions

- 1) Based on our observations at the site, discussions with Frank Toor, who provided construction observation services and field density testing, and Rick Jackson, and review of the available piezometer data shown on the attached sketch, we are of the opinion the dam was constructed in substantial conformance with the plans and specifications and is functioning as intended.
- 2) The piezometer data indicate the embankment is performing as designed with regard to seepage. Seepage losses are relatively low and within acceptable limits, and there is no visible evidence of seepage emerging on the downstream embankment slopes; the majority of the seepage is passing around the left end of the embankment through the natural dune sand. In general, with the exception of localized sloughing as the result of minor surface erosion, the reservoir slopes appear to be stable.
- 3) The piezometers are very sensitive to reservoir level; increases or decreases in reservoir level are rapidly reflected in the depth to water measured in the piezometers. This suggests the embankment below the phreatic surface is saturated and undergoing steady-state seepage. For example, when the reservoir is full, at about 45 ft on the staff gage and spilling water into the 18-in.-diameter spillway, the piezometers return to about the same historic levels for the same staff gage reading and remain stable. This also suggests that little if anything has changed with the consistency and permeability of the embankment over the past 15 years.

Recommendations for Continued Operation

The following recommendations should be incorporated into the Operations and Maintenance Manual for the reservoir.

- 1) The upstream and downstream embankment slopes should be maintained free of trees, brush, and other deep-rooted vegetation. The slopes should be cleared of undesirable deep-rooted vegetation by removal of the tree and root ball. Once cleared, regrowth can likely be controlled with a USDA-approved herbicide.
- 2) Soil disturbed by removal of vegetation should be recompact as structural fill.
- 3) Areas of seepage at the toe of the embankment and from the drains should be channelized, collected at a central location, and directed off site. Monthly monitoring of the dam should include the rate of flow from the drains and channels, water levels



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in the piezometers, and the staff gage. It would be desirable to make all the readings on the same day of each month, for example, the first Monday. Plotting of the data can be accomplished by the Jacksons (owners) or by the geotechnical engineer; regardless, the data should be provided to the Geotechnical Engineer for review within 1 week of obtaining it. It must be understood and acknowledged by the owners that the piezometer data must be obtained, reduced, and evaluated in a timely manner for it to serve as a useful indication of a change in the performance of the embankment.

- 4) A quarterly condition survey of the embankment should be performed by the person completing the monthly monitoring of the facility. Care should be taken to document the development of areas of seepage or wet soil, evidence of slope movement, holes from burrowing animals, plant growth, etc. The results of the survey should be provided to the geotechnical engineer for review.

Closing Comments

Based on our observations on April 23, 2014, and conversations with Frank Toor, it is our opinion that Jackson Farm Dam was constructed in substantial conformance with the project plans and specifications and is performing as designed; the embankment appears stable, and seepage losses are low and in an acceptable range. However, the left abutment of the embankment is constructed in dune sand consisting of fine-grained sand and silty, fine-grained sand. As we have discussed in the past, this material will be subject to rapid erosion if adverse seepage conditions develop or the embankment is overtopped. The continued successful operation of this facility is the responsibility of the owners; constant vigilance and maintenance are critical to the long-term success of the reservoir.

The purpose of this consultation was to document the condition and performance of the reservoir at this time and evaluate the current suitability of the embankment with respect to the original plans and specifications. No new analysis of the stability of the reservoir was been completed. Nothing else is implied or intended. Please contact David Driscoll if you have any questions.

Submitted for GRI,



Renews 7/2015

David D. Driscoll, PE, GE
Principal Consultant

cc: Raymond Brown (via email: canchief@yahoo.com)
Frank Toor (via email: heyjude7@hughes.net)

Michael W. Reed

RECEIVED Michael W. Reed, PE, GE
Principal

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This document has been submitted electronically.

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Pa 1 of 2

Jackson Farm Dam

1. Piezometers - measured from top of white plastic casing - March 23, 14

Piezo	Depth, Ft.	Note: Spilling water through the overflow
A	22.6	
B	23.15	
C	24.8	

2. Condition survey: Walk across. In general the visible slopes appear to be well grassed and supporting scattered small trees, shrubs and brush. Removal of woody vegetation is in process; the clearing line needs to be extended about 10-20 ft to the north of the toe to expose the 18 in overflow pipe that passes through the base of the dam.

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The upstream slope is about 3H:1V and the downstream about 2H:1V. The upstream slope has less woody vegetation.

The top of the downstream slope has been over-steepened to about 1 $\frac{3}{4}$ H:1V as the result of increasing the width of the crest road.

Water was flowing from the drains

April 23, 14
5576
DRISCOLL
Pg 203

on the left abutment; the remainder of the drains were dry or barely dripping. None of the upper level drains were flowing or dripping. The exposed discharge pipes of the drains were horizontal or tipped slightly down slope indicating that movement of soil in embankment was very small or non-existent. We recommend that the orientation of the drains be checked with an adjustable level on an annual basis as a part of the Operation and Maintenance of the dam.

Recommended that surface drainage and discharge from drains be collected along the toe of the dam and directed down slope in ditches. Don't allow water to pond at toe.

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Recommend that clearing of brush be completed and that the slopes be maintained free of brush (gorst and Scotch broom), and small trees

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Recommended that the emergency spillway be cleaned out and maintained free of debris. Rick Jackson pointed out that the emergency spillway is based on the

April 29, 14
557B
Driscoll
Pg 3 of 3

maximum pool elevation which is 5ft higher than the existing 10in overflow pipe. Rick has the 5ft extension and the pool ^{level} could be raised by simply adding the extension. If this is done it will require state approval and the dam should be closely monitored during the first raise in water level. The dam was designed for the max reservoir level.

Discussions with Rick Jackson indicated that he had seen no sign of ^{reservoir} slope instability following the first filling of the reservoir and has seen none since. Presently the reservoir slopes are so heavily vegetated that traversing them was essentially impossible. However the Jacksons are actively logging the east slopes so it may improve the visibility of the slopes and site access.

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Water Resources Department
725 Summer St. NE, Suite A
Salem, Oregon 97301

Attn: Gerry Clark

April 26, 2018

Mr. Clark,

This is to confirm that we are applying for a new water right to continue with storing water in the Jackson Reservoir.

This is an enlargement of an existing reservoir (application R-69506). The reservoir will store 99.2 acre-feet, being 9.2 acre-feet under application R 69506 and 90 acre-feet under this application.

Upon receiving approval of the new application to store water in the reservoir, we will request for an extension of time for application S-81454, the application filed for the use of the water stored in the enlarged reservoir.

Thank, you,

Rick Jackson – Jackson Farms
89086 Cranberry Bog Lane
Bandon, Or, 97411

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Oregon Water Resources Department
Permit to Appropriate Surface Water for Storage -Standard Reservoir Application

Home Main
Return

Today's Date: Tuesday, May 1, 2018

Base Application Fee.		\$930.00
Number of acre feet to be diverted for Storage.	90	\$784.00
Number of reservoirs.	1	
Permit Recording Fee. ***		\$520.00
*** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	<input type="button" value="Recalculate"/>	
Estimated cost of Permit Application		\$2,234.00

OWRD Fee Schedule

Fee Calculator Version: B20170117

APPLICATION #: _____

CASEWORKER: _____

PLANS & SPECS: _____

DAM NAME: _____



PLANS RECEIVED

DATE RECEIVED: _____



SENT TO DAM SAFETY

DATE SENT: _____



PLANS APPROVED

DATE APPROVED: _____

APPLICATION #: _____

CASEWORKER: _____

PLANS & SPECS: _____

DAM NAME: _____



PLANS RECEIVED

DATE RECEIVED: _____



SENT TO DAM SAFETY

DATE SENT: _____



PLANS APPROVED

DATE APPROVED: _____