



State of Oregon
 Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900

Application for
Allocation of Conserved Water
 Part 1 of 4 – Minimum Requirements Checklist

This application will be returned if Parts 1 through 4 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900, and ask for Allocation of Conserved Water Section.

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Check all items included with this application. (N/A = Not Applicable)

- Part 1 – Completed Minimum Requirements Checklist. MAY 17 2017
- Part 2 – Completed Applicant Information and Signature. SALEM, OR
- Part 3 – Completed Water Right Information and Conservation Measures. Please include a separate Part 3 for each water right. List all water right certificates involved in this application here: a portion of Certificate 91005, a portion of Certificate 91006, Certificate 91007, and Certificate 91008.
- Part 4 – Completed Mitigation, Proposed Use, Project Schedule, Funding, and Fee Calculation.

Attachments:

- Fees – Amount enclosed: \$ 2050 (From last page of application).
- Application Map. Must have sufficient detail to locate and describe the facilities and areas involved in the conservation measures. Must show the place of use where water is being used if the rate or duty are changing. (See attached Exhibit B)
- Land Use Information Form with approval and signature. (Not required if 100% of Conserved Water is being transferred instream.) (See attached Land Use Form) or
 Land Use Notice - Notice of the intent to create an instream water right must be provided to each affected county, city, municipal corporation, or tribal government along the proposed instream reach. (See attached Exhibit C)
- N/A Completed Evidence of Use Affidavit and Supporting Documentation. (See attached Exhibit D)
- N/A Affidavit(s) of Consent. (See attached Exhibit E)
- N/A Letter of approval from Irrigation or Water Control District. For water rights served by or issued in the name of a District, this must be provided when the transfer applicant is not the District.
- N/A Irrigation or Water Control District’s adopted policy on allocation of conserved water.
- N/A If construction of the project has begun or been completed and if more than 25 percent of the project costs have been expended before applying for allocation of conserved water, evidence that you have attempted to identify and resolve the concerns of water right holders in the area, governmental entities or other organizations who have asked to be consulted regarding the allocation of conserved water. (See attached Exhibits C & F)
- N/A Evidence for Fee Waiver. (See attached Exhibit G)
- N/A Notice of Completion.
- N/A Request for Finalization. (Entire project listed on the application must be complete. No partial finalization will be recognized.)

Part 2 of 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Stanfield Hutterian Brethren c/o Herb Stahl		PHONE NO. 1 541 626 3386	ADDITIONAL CONTACT NO.
ADDRESS 36345 DESPAIN GULCH RD.			FAX NO.
CITY STANFIELD	STATE OR	ZIP 97875	E-MAIL <i>herb.stahl@eotnet.net</i>

The applicant is an irrigation district organized under ORS Chapter 545 or a water control district organized under ORS Chapter 553. The District's OAR 690-018-0025 allocation of conserved water policy was adopted: ____ / ____ / 20 ____.

OR

The applicant is the sole owner of the land on which the water right, or portion thereof, proposed for conservation measures is located? Yes No A portion of Certificate 91006 (1.8 acres) is located on property (TL 3801) owned by C.S. Hay LLC.

If NO, include signatures of all landowners (and mailing address if different than the applicant's) or attach affidavits of consent (and mailing addresses) from all landowners or individuals/entities to which the water right(s) has been conveyed.

LANDOWNER NAME C.S. Hay LLC c/o Alan Cleaver (Part Owner)		PHONE NO. 1 541 567 0382	
ADDRESS P. O. BOX 1191			
CITY HERMISTON	STATE OR	ZIP 97838	E-MAIL

Representative Information – The person(s) listed below is/are authorized to represent the applicant in all matters relating to this application.

REPRESENTATIVE/BUSINESS NAME Stanfield Hutterian Brethren c/o Herb Stahl		PHONE NO. 1 541 626 3386	ADDITIONAL CONTACT NO.
ADDRESS 36345 DESPAIN GULCH RD.			FAX NO.
CITY STANFIELD	STATE OR	ZIP 97875	E-MAIL

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

I understand that I will be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following paper: **East Oregonian.**

I (we) affirm that the information contained in this application is true and accurate.


Applicant signature

**Herb Stahl representative of
Stanfield Hutterian Brethren**

Print Name (and Title if applicable)

5/15/17
Date

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In your own words tell us what conservations measures you have made or propose to make and the reason for the change(s):

The conservation measures taken consist of modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. This is accomplished by installation of state of the art new low pressure low flow spray nozzles. The irrigation machines were equipped with sprinklers that provided an average overall flow of 11.22 gpm per acre. The irrigation machines are now equipped with sprinklers that provide and average overall flow of 7.48 gpm (0.01667 cfs) per acre for Certificates 91005, 91006, 91007 and 91008.

The conservation measures were made to improve efficiency of the irrigation system and save water.

 **To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction the conservation project and/or proposed instream reach will be located.**

ENTITY NAME MORROW COUNTY	ADDRESS 205 NE THIRD STREET	
CITY IRRIGON	STATE OR	ZIP 97844

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 3 of 4 – Water Right Information and Conservation Measures



WATER RIGHT INFORMATION:

Water Right Subject to Transfer (check and complete **ONE** of the following):

<input checked="" type="checkbox"/>	Certificated Right	<u>Cert 91005</u> Certificate Number	<u>Permit S-32309</u> Permit Number or Decree Name
<input type="checkbox"/>	Adjudicated, Un-certificated Right	_____ Name of Decree	_____ Page Number
<input type="checkbox"/>	Permit for which Proof has been Approved	_____ Permit Number	_____ Special Order Volume _____, Page _____
<input type="checkbox"/>	Transferred Right for which Proof has been Filed	_____ Previous Certificate / Transfer Number	_____ Date Claim of Beneficial Use Submitted

County: Morrow

Describe the pre-project water delivery system. Include information on the diversion structure, pumps, and conveyance facilities (including canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use). *Provide sufficient detail for the Department to determine the system capacity.*

The Point of Diversion for the farm is a River Pumping Station located on the South bank of the Columbia River. Water is pumped from the Columbia River with five turbine pumps totaling 1550 hp. The pumping station is located in the SE1/4 NE1/4 of Section 23, T5N, R26E, W.M. From the river pumping station the water flows through a buried 42” pipeline south 1080’+/- to a point where the pipeline bends to the southwest and continues for 1320’+/- and then bends back to a south direction and continues for 2880’+/- to a point where the pipeline bends to the southeast and continues 1000’+/- to a point where it crosses beneath Highway 730 and then continues south another 1760’+/- to a point located along the east line of Section 26 approximately 1320’ north of the Southeast Corner of Section 26. The pipeline then continues south 5280’+/- along the east line of Section 35. At the southeast corner of Section 35 the pipeline bends to the southwest and continues 1680’+/- to a point where it crosses beneath the West Extension Canal and enters the northerly edge of the farmland.

At this point there is a 2000 hp pumping station (East Canal Pumping Station) consisting of four short coupled turbine pumps. This is also the beginning of a farm canal which parallels the West Extension Canal and flows in a westerly direction for approximately 1 mile ending in an 800’+/- widen section forming a pond. At the westerly end of the pond there is another pumping station (West Canal Pumping Station). This pumping station is a 1600 hp pumping station consisting of four short coupled turbine pumps. The pumps at these two pumping stations deliver water south to the farmland through a buried pipe distribution system consisting of steel and PVC pipes ranging in size from 30” to 4” in diameter. The layout of the on farm pipe distribution system is shown on the project map. For the most part circular irrigation machines are now being used to irrigate the farmland.

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Table 1: Pre-Project Description

List: A) the maximum rate and annual duty (volume) of water that may be diverted **as stated on the water right of record**; and B) the maximum amount of water that can be diverted using the pre-project facilities (“system capacity”). If there are multiple priority dates on the water right, list the rate and duty associated with each priority date. *(If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)*

PRE-PROJECT DESCRIPTION										
			Column A Water Right of Record				Column B System Capacity			
			Rate		Duty		Rate		Duty	
Originating Water Right #	Priority	Acres	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC
Cert 91005	8/15/1967	1756.1*	43.9 *	0.025	7902.45	4.5	43.9	0.025	7902.45	4.5
Totals		1756.1	43.9		7902.45		43.9		7902.45	

Note: 1 miner's inch = 1/40 cfs; 1 cfs = 448.8 gpm 1 cfs = 1.983471 ac-ft/day

* Cert 91005 is for 1777.0 acres. The acres noted and associated information shown in the table is for the portion (1756.1 ac) of Cert 91005 that is involved in this conserved water project.

CONSERVATION MEASURES:

Describe the type of conservation measures, check all that apply:

- On-Farm efficiency project
- Distribution project, such as a ditch piping or lining project
- Other: **Implementation of crop rotations and water scheduling to reduce peak flow requirements.**

Describe the proposed changes to the physical system, operations and application methods that will result in the conservation of water. If these proposed changes will change the point of diversion, you must meet the ODFW fish screen and bypass requirements pursuant to ORS 540.525. *Please include a description and details of how the estimate of water conserved was determined. Please provide sufficient detail for the Department to provide notice of the project.*

The conservation measures made consist of modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. This is accomplished by installation of state of the art new low pressure low flow spray nozzles. In addition, farm management practices have included implementing crop rotations and irrigation scheduling which have reduced the peak flow requirement.

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Place of Use Involved in Conservation Measures

SALEM, OR

List only the part of the right that will be affected. If the entire right is being affected, just state “entire Certificate.”

Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	Type of Use listed On Certificate	Priority Date
2	S	9	E	15	NE NW	153.0	100	EXAMPLE	1/1/1865
4	N	26	E	1	NE NW	3804	3	Irrigation	8/15/1967
4	N	26	E	1	SW NW	3804		Irrigation	8/15/1967
4	N	26	E	1	SE NW	3804		Irrigation	8/15/1967
4	N	26	E	1	NE SW	3804		Irrigation	8/15/1967
4	N	26	E	1	NW SW	3804		Irrigation	8/15/1967
4	N	26	E	1	SW SW	3804		Irrigation	8/15/1967

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4	N	26	E	1	SE	SW	3804		35.7	Irrigation	8/15/1967
4	N	26	E	2	SE	NE	3804		0.3	Irrigation	8/15/1967
4	N	26	E	2	NW	SW	3804	16	0.8	Irrigation	8/15/1967
4	N	26	E	2	SW	SW	3804	13	20.4	Irrigation	8/15/1967
4	N	26	E	2	SE	SW	3804	14	2.5	Irrigation	8/15/1967
4	N	26	E	2	SW	SE	3804		1.5	Irrigation	8/15/1967
4	N	26	E	2	SE	SE	3804		6.5	Irrigation	8/15/1967
4	N	26	E	3	SE	SW	3804		9.5	Irrigation	8/15/1967
4	N	26	E	3	SW	SE	3804		22.0	Irrigation	8/15/1967
4	N	26	E	3	SE	SE	3804		30.6	Irrigation	8/15/1967
4	N	26	E	10	NE	NE	3804		6.0	Irrigation	8/15/1967
4	N	26	E	10	SE	NE	3804		0.3	Irrigation	8/15/1967
4	N	26	E	10	NE	SE	3804		0.2	Irrigation	8/15/1967
4	N	26	E	10	SE	SE	3804		0.3	Irrigation	8/15/1967
4	N	26	E	11	NE	NE	3804		37.9	Irrigation	8/15/1967
4	N	26	E	11	NW	NE	3804		38.3	Irrigation	8/15/1967
4	N	26	E	11	SW	NE	3804		38.5	Irrigation	8/15/1967
4	N	26	E	11	SE	NE	3804		37.1	Irrigation	8/15/1967
4	N	26	E	11	NE	NW	3804		37.6	Irrigation	8/15/1967
4	N	26	E	11	NW	NW	3804		38.7	Irrigation	8/15/1967
4	N	26	E	11	SW	NW	3804		34.9	Irrigation	8/15/1967
4	N	26	E	11	SE	NW	3804		38.3	Irrigation	8/15/1967
4	N	26	E	11	NE	SW	3804		37	Irrigation	8/15/1967
4	N	26	E	11	NW	SW	3804		33.1	Irrigation	8/15/1967
4	N	26	E	11	SW	SW	3804		32.6	Irrigation	8/15/1967
4	N	26	E	11	SE	SW	3804		36.4	Irrigation	8/15/1967
4	N	26	E	11	NE	SE	3804		37.1	Irrigation	8/15/1967
4	N	26	E	11	NW	SE	3804		36.6	Irrigation	8/15/1967
4	N	26	E	11	SW	SE	3804		38.1	Irrigation	8/15/1967
4	N	26	E	11	SE	SE	3804		36.3	Irrigation	8/15/1967
4	N	26	E	12	NE	NW	3804		35.4	Irrigation	8/15/1967
4	N	26	E	12	NW	NW	3804		36.1	Irrigation	8/15/1967
4	N	26	E	12	SW	NW	3804		37.5	Irrigation	8/15/1967
4	N	26	E	12	SE	NW	3804		37.0	Irrigation	8/15/1967
4	N	26	E	12	NE	SW	3804		35.2	Irrigation	8/15/1967
4	N	26	E	12	NW	SW	3804		33.4	Irrigation	8/15/1967
4	N	26	E	12	SW	SW	3804		39.2	Irrigation	8/15/1967
4	N	26	E	12	SE	SW	3804		36.6	Irrigation	8/15/1967
4	N	26	E	13	NE	NW	3804		36.4	Irrigation	8/15/1967
4	N	26	E	13	NW	NW	3804		35.3	Irrigation	8/15/1967
4	N	26	E	13	SW	NW	3804		31.7	Irrigation	8/15/1967
4	N	26	E	13	SE	NW	3804		36.6	Irrigation	8/15/1967
4	N	26	E	13	NE	SW	3804		35.1	Irrigation	8/15/1967
4	N	26	E	13	NW	SW	3804		31.5	Irrigation	8/15/1967
4	N	26	E	13	SW	SW	3804		30.6	Irrigation	8/15/1967
4	N	26	E	13	SE	SW	3804		28.7	Irrigation	8/15/1967
4	N	26	E	14	NE	NE	3804		7.9	Irrigation	8/15/1967
4	N	26	E	14	NW	NE	3804		5.0	Irrigation	8/15/1967
4	N	26	E	14	SE	NE	3804		0.1	Irrigation	8/15/1967
4	N	26	E	14	NE	NW	3804		6.5	Irrigation	8/15/1967
4	N	26	E	14	NE	SE	3804		0.3	Irrigation	8/15/1967
4	N	26	E	14	SE	SE	3804		0.2	Irrigation	8/15/1967
4	N	26	E	15	NE	NE	3804		26.6	Irrigation	8/15/1967
4	N	26	E	15	NW	NE	3804		30.8	Irrigation	8/15/1967
4	N	26	E	15	SW	NE	3804		35.7	Irrigation	8/15/1967
4	N	26	E	15	SE	NE	3804		31.1	Irrigation	8/15/1967
4	N	26	E	15	NE	NW	3804		27.5	Irrigation	8/15/1967
4	N	26	E	15	NW	NW	3804		32.4	Irrigation	8/15/1967

Part 3 of 4 – Water Right Information and Conservation Measures



WATER RIGHT INFORMATION:

Water Right Subject to Transfer (check and complete **ONE** of the following):

<input checked="" type="checkbox"/>	Certificated Right	<u>Cert 91006</u> Certificate Number	<u>Permit 44511</u> Permit Number or Decree Name
<input type="checkbox"/>	Adjudicated, Un-certificated Right	_____ Name of Decree	_____ Page Number
<input type="checkbox"/>	Permit for which Proof has been Approved	_____ Permit Number	_____ Special Order Volume _____, Page _____
<input type="checkbox"/>	Transferred Right for which Proof has been Filed	_____ Previous Certificate / Transfer Number	_____ Date Claim of Beneficial Use Submitted

County: Morrow

Describe the pre-project water delivery system. Include information on the diversion structure, pumps, and conveyance facilities (including canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use). *Provide sufficient detail for the Department to determine the system capacity.*

The Point of Diversion for the farm is a River Pumping Station located on the South bank of the Columbia River. Water is pumped from the Columbia River with five turbine pumps totaling 1550 hp. The pumping station is located in the SE1/4 NE1/4 of Section 23, T5N, R26E, W.M. From the river pumping station the water flows through a buried 42" pipeline south 1080'+/- to a point where the pipeline bends to the southwest and continues for 1320'+/- and then bends back to a south direction and continues for 2880'+/- to a point where the pipeline bends to the southeast and continues 1000'+/- to a point where it crosses beneath Highway 730 and then continues south another 1760'+/- to a point located along the east line of Section 26 approximately 1320' north of the Southeast Corner of Section 26. The pipeline then continues south 5280'+/- along the east line of Section 35. At the southeast corner of Section 35 the pipeline bends to the southwest and continues 1680'+/- to a point where it crosses beneath the West Extension Canal and enters the northerly edge of the farmland.

At this point there is a 2000 hp pumping station (East Canal Pumping Station) consisting of four short coupled turbine pumps. This is also the beginning of a farm canal which parallels the West Extension Canal and flows in a westerly direction for approximately 1 mile ending in an 800'+/- widen section forming a pond. At the westerly end of the pond there is another pumping station (West Canal Pumping Station). This pumping station is a 1600 hp pumping station consisting of four short coupled turbine pumps. The pumps at these two pumping stations deliver water south to the farmland through a buried pipe distribution system consisting of steel and PVC pipes ranging in size from 30" to 4" in diameter. The layout of the on farm pipe distribution system is shown on the project map. For the most part circular irrigation machines are now being used to irrigate the farmland.

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Table 1: Pre-Project Description

List: A) the maximum rate and annual duty (volume) of water that may be diverted **as stated on the water right of record**; and B) the maximum amount of water that can be diverted using the pre-project facilities (“system capacity”). If there are multiple priority dates on the water right, list the rate and duty associated with each priority date. (If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)

PRE-PROJECT DESCRIPTION										
			Column A Water Right of Record				Column B System Capacity			
			Rate		Duty		Rate		Duty	
Originating Water Right #	Priority	Acres	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC	Maximum	CFS/AC	Maximum	AF/AC
Cert 91006	3/9/1979	1290.0*	32.25*	0.025	5802.30	4.5	32.24	0.025	5802.30	4.5
Totals		1290.0	32.25	0.025	5802.30	4.5	32.24	0.025	5802.30	4.5

Note: 1 miner's inch = 1/40 cfs; 1 cfs = 448.8 gpm 1 cfs = 1.983471 ac-ft/day

* Cert 91006 is for 1308.0 acres. The acres noted and associated information in the table is for the portion (1290.0 ac) of Cert 91006 that is involved in this conserved water project.

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CONSERVATION MEASURES:

Describe the type of conservation measures, check all that apply:

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- On-Farm efficiency project
- Distribution project, such as a ditch piping or lining project
- Other: **Implementation of crop rotations and water scheduling to reduce peak flow requirements.**

SALEM, OR

Describe the proposed changes to the physical system, operations and application methods that will result in the conservation of water. If these proposed changes will change the point of diversion, you must meet the ODFW fish screen and bypass requirements pursuant to ORS 540.525. Please include a description and details of how the estimate of water conserved was determined. Please provide sufficient detail for the Department to provide notice of the project.

The conservation measures taken consist of modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. This is accomplished by installation of state of the art new low pressure low flow spray nozzles. In addition, farm management practices have included implementing crop rotations and irrigation scheduling which have reduced the peak flow requirement.

Place of Use Involved in Conservation Measures

List only the part of the right that will be affected. If the entire right is being affected, just state “entire Certificate.”

Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	Type of Use listed On Certificate	Priority Date
2	S	9	E	15	NE NW	153.0	100	EXAMPLE	1/1/1865
4	N	26	E	1	SW NW	3804		Irrigation	3/9/1979
4	N	26	E	1	NW SW	3804		Irrigation	3/9/1979
4	N	26	E	2	SW NE	3804		Irrigation	3/9/1979
4	N	26	E	2	SE NE	3804		Irrigation	3/9/1979
4	N	26	E	2	SE NW	3804	10	Irrigation	3/9/1979

Are there other water right certificates, water use permits, ground water registrations, or uncertificated decreed rights associated with the above lands? Yes No. If YES, list the certificates, water use permits, ground water registrations, or uncertificated decreed numbers: _____

Is the project within the boundaries of an irrigation district or water control district? Yes No If YES, and applicant is not a District, you must provide a letter of approval from the District.

Table 2: Conserved Water

In Column A, list the smaller of A or B from Table 1 (Pre-Project Description). In Column B, list the amount of water that will be needed for the existing, authorized use(s) after implementing the conservation measures. In Column C, subtract Column B from Column A and enter the results (e.g., A – B = C). (If the water right is only limited by rate, do not list a duty; and conversely, if the water is only limited by duty, do not list a rate.)

Conserved Water Description											
Priority	Column A				Column B				Column C		
	Table 1 – Smaller of A or B				Needed				Conserved Water		
	Rate		Duty		Rate		Duty		Rate	Duty	
	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	Maximum AF	AF/AC
3/9 1979	32.25	0.025	5805.0	4.5	21.50	0.0167	3870.0	3.0	10.75	1935.0	1.5
Totals	32.25	0.025	5805.0	4.5	21.5	0.01667	3870.0	3.0	10.75	1935.0	1.5

Table 3: Allocation of Conserved Water

List the portions of the conserved water that will be allocated to the state and applicant. Note: Column A plus Column B should total Column C (e.g., A + B = C).

Conserved Water Allocation								
Column A			Column B			Column C		
State's Portion			Applicant's Portion			Conserved Water		
Percentage*	Maximum Rate	Maximum Duty (Volume)	Percentage	Maximum Rate CFS	Maximum Duty (Volume)	Percentage	Maximum Rate	Maximum Duty (Volume)
25%	2.69 cfs	483.8 ac ft	75%	8.06 cfs	1451.2 ac ft	100%	10.75 cfs	1935.0 ac ft

* must be at least 25%

The priority for the conserved water is requested to be:

- The same as the original right, or
- One minute junior to the original right.

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Part 3 of 4 – Water Right Information and Conservation Measures



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WATER RIGHT INFORMATION:

Water Right Subject to Transfer (check and complete **ONE** of the following):

SALEM, OR

<input checked="" type="checkbox"/> Certified Right	<u>Cert 91007</u> Certificate Number	<u>Permit 48119</u> Permit Number or Decree Name
<input type="checkbox"/> Adjudicated, Un-certificated Right	_____ Name of Decree	_____ Page Number
<input type="checkbox"/> Permit for which Proof has been Approved	_____ Permit Number	_____ Special Order Volume ____, Page ____
<input type="checkbox"/> Transferred Right for which Proof has been Filed	_____ Previous Certificate / Transfer Number	_____ Date Claim of Beneficial Use Submitted

County: Morrow

Describe the pre-project water delivery system. Include information on the diversion structure, pumps, and conveyance facilities (including canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use). *Provide sufficient detail for the Department to determine the system capacity.*

The Point of Diversion for the farm is a River Pumping Station located on the South bank of the Columbia River. Water is pumped from the Columbia River with five turbine pumps totaling 1550 hp. The pumping station is located in the SE1/4 NE1/4 of Section 23, T5N, R26E, W.M. From the river pumping station the water flows through a buried 42” pipeline south 1080’+/- to a point where the pipeline bends to the southwest and continues for 1320’+/- and then bends back to a south direction and continues for 2880’+/- to a point where the pipeline bends to the southeast and continues 1000’+/- to a point where it crosses beneath Highway 730 and then continues south another 1760’+/- to a point located along the east line of Section 26 approximately 1320’ north of the Southeast Corner of Section 26. The pipeline then continues south 5280’+/- along the east line of Section 35. At the southeast corner of Section 35 the pipeline bends to the southwest and continues 1680’+/- to a point where it crosses beneath the West Extension Canal and enters the northerly edge of the farmland.

At this point there is a 2000 hp pumping station (East Canal Pumping Station) consisting of four short coupled turbine pumps. This is also the beginning of a farm canal which parallels the West Extension Canal and flows in a westerly direction for approximately 1 mile ending in an 800’+/- widen section forming a pond. At the westerly end of the pond there is another pumping station (West Canal Pumping Station). This pumping station is a 1600 hp pumping station consisting of four short coupled turbine pumps. The pumps at these two pumping stations deliver water south to the farmland through a buried pipe distribution system consisting of steel and PVC pipes ranging in size from 30” to 4” in diameter. The layout of the on farm pipe distribution system is shown on the project map. For the most part circular irrigation machines are now being used to irrigate the farmland.

Table 1: Pre-Project Description

List: A) the maximum rate and annual duty (volume) of water that may be diverted as stated on the water right of record; and B) the maximum amount of water that can be diverted using the pre-project facilities (“system capacity”). If there are multiple priority dates on the water right, list the rate and duty associated with each priority date. (If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)

PRE-PROJECT DESCRIPTION										
			Column A Water Right of Record				Column B System Capacity			
			Rate		Duty		Rate		Duty	
Originating Water Right #	Priority	Acres	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC	Maximum	CFS/AC	Maximum	AF/AC
Cert 91007	9/23/1983	195.8	4.9	0.025	881.1	4.5	4.9	0.025	881.1	4.5
Totals		195.8	4.9	0.025	881.1	4.5	4.9	0.025	881.1	4.5

Note: 1 miner's inch = 1/40 cfs; 1 cfs = 448.8 gpm 1 cfs = 1.983471 ac-ft/day

CONSERVATION MEASURES:

Describe the type of conservation measures, check all that apply:

- On-Farm efficiency project
- Distribution project, such as a ditch piping or lining project
- Other: **Implementation of crop rotations and water scheduling to reduce peak flow requirements.**

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Describe the proposed changes to the physical system, operations and application methods that will result in the conservation of water. If these proposed changes will change the point of diversion, you must meet the ODFW fish screen and bypass requirements pursuant to ORS 540.525. Please include a description and details of how the estimate of water conserved was determined. Please provide sufficient detail for the Department to provide notice of the project.

The conservation measures taken consist of modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. This is accomplished by installation of state of the art new low pressure low flow spray nozzles. In addition, farm management practices have included implementing crop rotations and irrigation scheduling which have reduced the peak flow requirement.

Place of Use Involved in Conservation Measures

List only the part of the right that will be affected. If the entire right is being affected, just state “entire Certificate.”

The Entire Certificate (195.8 acres) is involved in this conserved water application.

Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	Type of Use listed On Certificate	Priority Date	
2	S	9	E	15	NE	NW	153.0	100	EXAMPLE	1/1/1865
							Total	195.8		

Are there other water right certificates, water use permits, ground water registrations, or uncertificated decreed rights associated with the above lands? Yes No. If YES, list the certificates, water use permits, ground water registrations, or uncertificated decreed numbers: _____

Is the project within the boundaries of an irrigation district or water control district? Yes No If YES, and applicant is not a District, you must provide a letter of approval from the District.

Table 2: Conserved Water

In Column A, list the smaller of A or B from Table 1 (Pre-Project Description). In Column B, list the amount of water that will be needed for the existing, authorized use(s) after implementing the conservation measures. In Column C, subtract Column B from Column A and enter the results (e.g., A – B = C). (If the water right is only limited by rate, do not list a duty; and conversely, if the water is only limited by duty, do not list a rate.)

Conserved Water Description											
	Column A				Column B				Column C		
	Table 1 – Smaller of A or B				Needed				Conserved Water		
	Rate		Duty		Rate		Duty		Rate	Duty	
Priority	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	Maximum AF	AF/AC
9/23 1983	4.9	0.025	881.1	4.5	3.27	0.0167	587.4	3.0	1.63	293.7	1.5
Totals	4.9	0.025	881.1	4.5	3.27	0.0167	587.4	3.0	1.63	293.7	1.5

Table 3: Allocation of Conserved Water

List the portions of the conserved water that will be allocated to the state and applicant. Note: Column A plus Column B should total Column C (e.g., A + B = C).

Conserved Water Allocation								
Column A			Column B			Column C		
State's Portion			Applicant's Portion			Conserved Water		
Percentage*	Maximum Rate	Maximum Duty (Volume)	Percentage	Maximum Rate	Maximum Duty (Volume)	Percentage	Maximum Rate	Maximum Duty (Volume)
25%	0.41 cfs	73.43 ac ft	75%	1.22 cfs	220.27 ac ft	100%	1.63 cfs	293.7 ac ft

* must be at least 25%

The priority for the conserved water is requested to be:

- The same as the original right, or
- One minute junior to the original right.

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Part 3 of 4 – Water Right Information and Conservation Measures



WATER RIGHT INFORMATION:

Water Right Subject to Transfer (check and complete **ONE** of the following):

<input checked="" type="checkbox"/> Certified Right	<u>Cert 91008</u> Certificate Number	<u>Permit 43935</u> Permit Number or Decree Name
<input type="checkbox"/> Adjudicated, Un-certificated Right	_____ Name of Decree	_____ Page Number
<input type="checkbox"/> Permit for which Proof has been Approved	_____ Permit Number	_____ Special Order Volume _____, Page _____
<input type="checkbox"/> Transferred Right for which Proof has been Filed	_____ Previous Certificate / Transfer Number	_____ Date Claim of Beneficial Use Submitted

County: Morrow

Describe the pre-project water delivery system. Include information on the diversion structure, pumps, and conveyance facilities (including canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use). *Provide sufficient detail for the Department to determine the system capacity.*

The Point of Diversion for the farm is a River Pumping Station located on the South bank of the Columbia River. Water is pumped from the Columbia River with five turbine pumps totaling 1550 hp. The pumping station is located in the SE1/4 NE1/4 of Section 23, T5N, R26E, W.M. From the river pumping station the water flows through a buried 42” pipeline south 1080’+/- to a point where the pipeline bends to the southwest and continues for 1320’+/- and then bends back to a south direction and continues for 2880’+/- to a point where the pipeline bends to the southeast and continues 1000’+/- to a point where it crosses beneath Highway 730 and then continues south another 1760’+/- to a point located along the east line of Section 26 approximately 1320’ north of the Southeast Corner of Section 26. The pipeline then continues south 5280’+/- along the east line of Section 35. At the southeast corner of Section 35 the pipeline bends to the southwest and continues 1680’+/- to a point where it crosses beneath the West Extension Canal and enters the northerly edge of the farmland.

At this point there is a 2000 hp pumping station (East Canal Pumping Station) consisting of four short coupled turbine pumps. This is also the beginning of a farm canal which parallels the West Extension Canal and flows in a westerly direction for approximately 1 mile ending in an 800’+/- widen section forming a pond. At the westerly end of the pond there is another pumping station (West Canal Pumping Station). This pumping station is a 1600 hp pumping station consisting of four short coupled turbine pumps. The pumps at these two pumping stations deliver water south to the farmland through a buried pipe distribution system consisting of steel and PVC pipes ranging in size from 30” to 4” in diameter. The layout of the on farm pipe distribution system is shown on the project map. For the most part circular irrigation machines are now being used to irrigate the farmland

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Table 1: Pre-Project Description

List: A) the maximum rate and annual duty (volume) of water that may be diverted **as stated on the water right of record**; and B) the maximum amount of water that can be diverted using the pre-project facilities (“**system capacity**”). If there are multiple priority dates on the water right, list the rate and duty associated with each priority date. (*If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.*)

PRE-PROJECT DESCRIPTION										
			Column A Water Right of Record				Column B System Capacity			
			Rate		Duty		Rate		Duty	
Originating Water Right #	Priority	Acres	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC	Maximum CFS	CFS/AC	Maximum AC FT	AF/AC
Cert 91008	4/6/1977	58.4	1.46	0.025	233.6	4.0	1.46	0.025	233.6	4.0
Totals										

Note: 1 miner's inch = 1/40 cfs; 1 cfs = 448.8 gpm 1 cfs = 1.983471 ac-ft/day

CONSERVATION MEASURES:

Describe the type of conservation measures, check all that apply:

- On-Farm efficiency project
- Distribution project, such as a ditch piping or lining project
- Other: **Implementation of crop rotations and water scheduling to reduce peak flow requirements.**

Describe the proposed changes to the physical system, operations and application methods that will result in the conservation of water. If these proposed changes will change the point of diversion, you must meet the ODFW fish screen and bypass requirements pursuant to ORS 540.525. *Please include a description and details of how the estimate of water conserved was determined. Please provide sufficient detail for the Department to provide notice of the project.*

The conservation measures taken consist of modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. This is accomplished by installation of state of the art new low pressure low flow spray nozzles. In addition, farm management practices have included implementing crop rotations and irrigation scheduling which have reduced the peak flow requirement.

Place of Use Involved in Conservation Measures

List only the part of the right that will be affected. If the entire right is being affected, just state “entire Certificate.”

The Entire Certificate (58.4 acres) is involved in this conserved water application.

Twp	Rng	Sec	¼	¼	Tax Lot	Gvt Lot or DLC	Acres	Type of Use listed On Certificate	Priority Date	
2	S	9	E	15	NE	NW	153.0	100	EXAMPLE	1/1/1865
							Total	58.4		

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Are there other water right certificates, water use permits, ground water registrations, or uncertificated decreed rights associated with the above lands? Yes No. If YES, list the certificates, water use permits, ground water registrations, or uncertificated decreed numbers: _____

Is the project within the boundaries of an irrigation district or water control district? Yes No If YES, and applicant is not a District, you must provide a letter of approval from the District.

Table 2: Conserved Water

In Column A, list the smaller of A or B from Table 1 (Pre-Project Description). In Column B, list the amount of water that will be needed for the existing, authorized use(s) after implementing the conservation measures. In Column C, subtract Column B from Column A and enter the results (e.g., A – B = C). (If the water right is only limited by rate, do not list a duty; and conversely, if the water is only limited by duty, do not list a rate.)

Conserved Water Description											
	Column A				Column B				Column C		
	Table 1 – Smaller of A or B				Needed				Conserved Water		
	Rate		Duty		Rate		Duty		Rate	Duty	
Priority	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	CFS/AC	Maximum AF	AF/AC	Maximum CFS	Maximum AF	AF/AC
4/6 1977	1.46	0.025	233.6	4.0	.97	0.01667	175.2	4.0	0.49	58.4	1.0
Totals	1.46	0.025	233.6	4.0	.97	0.01667	175.2	4.0	0.49	58.4	1.0

Table 3: Allocation of Conserved Water

List the portions of the conserved water that will be allocated to the state and applicant. Note: Column A plus Column B should total Column C (e.g., A + B = C).

Conserved Water Allocation								
Column A			Column B			Column C		
State's Portion			Applicant's Portion			Conserved Water		
Percentage*	Maximum Rate	Maximum Duty (Volume)	Percentage	Maximum Rate	Maximum Duty (Volume)	Percentage	Maximum Rate	Maximum Duty (Volume)
25%	0.12 cfs	14.6 ac ft	75%	0.37 cfs	43.8 ac ft	100%	0.49 cfs	58.4 ac ft

* must be at least 25%

The priority for the conserved water is requested to be:

- The same as the original right, or
- One minute junior to the original right.

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**Part 4 of 4 – Mitigation, Proposed Use,
Project Schedule, Funding, and
Fee Calculation**

MITIGATION:

Describe any expected effects from the proposed allocation of conserved water on other water rights. Describe what currently happens to the water that is proposed to be conserved.

Prior to the applicant installing the conservation measures the conserved water was withdrawn from the Columbia River and used to irrigate the farmland. Since installation of the conservation measures the owner has determined that the crops he is growing can be successfully grown with less irrigation water than authorized by the water right certificates. The conservation measures have reduced the quantity and rate of withdrawal from the Columbia River. The state's portion of the conserved water will be left in stream.

Describe any mitigation or other measures that are planned to avoid harm to other water rights.

The project is not expected to result in any harm to other water rights. Mitigation will include 25% of the conserved water being allocated to in stream uses.

PROPOSED USE:

N/A For new out-of-stream uses, describe the intended use and boundaries of the expected area within which the diversion structures and places of use of the applicants' conserved water right will be located. This is land other than that to which this water right is appurtenant.

Intended Use: **Irrigation**

Boundaries: **The area where the applicant anticipates it will use its share of conserved water is located within the townships and Ranges listed below. The applicant notes it cannot use its portion of conserved water on lands from which the conserved water was allocated.**

TwN	Range		TwN	Range		TwN	Range		TwN	Range
2N	23E		3N	23E		4N	23E		5N	26E
2N	24E		3N	24E		4N	24E		5N	27E
2N	26E		3N	26E		4N	25E		5N	28E
2N	27E		3N	27E		4N	26E		5N	29E
2N	28E		3N	28E		4N	27E		5N	30E
			3N	29E		4N	28E			
			3N	30E		4N	29E			
						4N	30E			

For instream uses to be created:

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Originating Water Right (as identified in Part 3)	Priority Date	Source	Proposed Instream Period	Rate (cfs)*	Volume (ac-ft)**
Cert 91005	8/15/1967	Columbia River	Irrigation Season	3.66	658.54
Cert 91006	3/9/1979	Columbia River	Irrigation Season	2.69	483.8
Cert 91007	9/23/1983	Columbia River	Irrigation Season	0.41	73.43
* Cert 91008	4/6/1977	Columbia River	Irrigation Season	0.12	14.6
				TOTAL VOLUME	1230.37

To calculate rate (if other than the rate allowed by the right), divide the volume by the number of days in the period and then divide by 1.983471; or

To calculate volume, multiply the rate by the number of days in the instream period and then multiply by 1.983471.

Note: The instream rate may not exceed the maximum rate conserved and the total volume may not exceed to maximum volume or duty conserved (Table 3, Column C)

Location of the proposed instream water right.

- Water is requested to be protected within a reach of the **Columbia River**. Location of the proposed reach (identify the extent of the reach): *(e.g., from the upstream POD located at RM ___ to downstream location at the mouth at RM ___)*

The stream reach for which the state's portion of the conserved water should be managed under an in stream water right is from the Point of Diversion, located in Lot 1 in the SE1/4 NE1/4 of Section 23, T5N, R26E, W.M., 660 feet North and 230 feet West from the E1/4 Corner of Section 23; to the confluence of the Columbia River with the Pacific Ocean.

OR

- Water is requested to be protected at a point at the following location (i.e. legal description of the point of diversion (POD)) _____

Public Use for which conserved water right should be managed under an instream right (check at least one box):

- Conservation, maintenance and enhancement of aquatic and fish life, wildlife, fish and wildlife habitat, and other ecological values.
- Recreation.
- Pollution Abatement.

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List any existing instream water rights at the same point or within the same requested reach(es):

- None.
- Instream Water Right Certificates: Cert 89235, Cert 89303, Cert 90125

Is it your intent to have the proposed instream water right transfer be additive to any instream water right established under ORS 537.348 (instream transfer application process) and ORS 537.470 (allocation of conserved water) and replace a portion of any instream water right established under ORS 537.341 (state agency application process) and ORS 537.346 (conversion of minimum perennial streamflows) with an earlier priority date?

- Yes
- No. If no, please explain your intent below:

Is the requested instream flow intended to exceed the estimated average natural flow or natural lake level occurring from the drainage system?

- No; **OR**
- Yes (Provide supporting documentation that demonstrates why additional flows are significant for the public use requested.); **OR**
- Yes, and it is presumed that flows that exceed the estimated average natural flow or natural lake levels are significant because:
 - The requested flow does not exceed the maximum amount of any instream water right applied for under ORS 537.338 (state agency instream water right application process); the requested public use is for the same public use; and the requested reach covers a portion or same reach as the state agency instream water right; **and**
 - The stream is in an ODFW flow restoration priority watershed during the requested instream period; **or**
 - The stream is listed as water quality limited by DEQ.

PROJECT SCHEDULE:

- N/A For a project that has **not** been completed, please provide the dates on which the applicant intends to do the following:

Date:	Date:	*Date:

** Must be within 5 years from the date of filing the Notice of Completion.*

Note: If construction of the project has begun or has been completed, and if more than 25 percent of the project costs have been expended before submitting this application, you must submit evidence that you have attempted to identify and resolve the concerns of water right holders in the area, governmental entities or other organization who have asked to be consulted regarding the allocation of conserved water.

The applicant is unaware of any existing water right holder(s) in the area that have any objections or concerns regarding this allocation of conserved water.

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N/A For a project that has been completed, provide the dates when the conservation measures were implemented and the date by which the applicant intends to request the allocation be finalized. Complete and attach Notice of Completion form.

Conservation Measures Implemented	Request for Future Conserved Water Allocation to be Finalized
*Date: April 1, 2017	**Date: October 30, 2022

** Must be within 5 years prior to the date of filing this application.*

*** Must be within 5 years from the date of filing this Application and Notice of Completion.*

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FUNDING

N/A Federal or state public funds that are not subject to repayment are to be used for the project. Refer to OAR 690-018-0040(18)(a)-(d) for further information in completing this section.

Source of Funding: Federal: _____ State: _____

Total cost for project engineering \$ _____
Total cost for construction \$ _____

The present value of any incremental changes in the cost of operations and maintenance that are directly attributable to the project that would not be incurred or realized in the absences of the project is \$ _____.

The amount of funding and the value of any in-kind contributions for project engineering and construction and for any incremental changes in the costs of operations and maintenance to be provided from federal or state public funds that are not subject to repayment is \$ _____.

The amount of funding and the value of any in-kind contributions for project engineering and construction and for any incremental change since costs of operations and maintenance to be provided from other funds is \$ _____.

N/A Enter the percentage from Table 3, Column B (Applicant's Portion of Conserved Water) _____%. If this is more than 25%, what portion of project funds (expressed as a percentage) come from federal or state public sources? _____%

N/A The Oregon Watershed Enhancement Board (OWEB) have a contractual interest in this project. The OWEB project number is _____.

FEE CALCULATION

Fee Schedule – ORS 536.050 http://www.oregon.gov/owrd/pubs/docs/forms/fee_schedule_4_2012.pdf	
\$1,000.00 - Base (1 st Water Right)	Add \$350.00 for each additional right
\$1,000 + (3x \$350) = Total Fee \$2050	

	(a) Will be converted to an instream right pursuant to ORS 537.348; or
	(b) Is necessary to complete a project funded under ORS 541.375 (OWEB); or
	(c) Is approved by the Oregon Department of Fish and Wildlife as a project that will result in a net benefit to fish and wildlife habitat. See OAR 690-018-0040(25).
	(d) Enter Percentage from Table 3, Column A = <u>25%</u>
	(e) Deduct 25% from percentage in (d) above = <u>0</u> %
	(f) Enter the lesser of (e) above or 50% <u>0</u>
	(g) Total Fee x % waived (f) = Fee Waiver <u>\$0*</u>
	<i>Example: (d) = 100% - 25% (e) = 75% (max 50% waived) = Fee x 50% = Fee Waiver</i>
	Total Fee \$2050 – Fee Waiver (g) \$0 = Amount Due \$2050

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