

**CLAIM OF
BENEFICIAL USE
for Surface Water Permits
claiming more than 0.1 cfs**



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

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**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page

<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

SECTION 1
GENERAL INFORMATION

1. File Information:

APPLICATION # S-88004	PERMIT # S-54906	PERMIT AMENDMENT # NA
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2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME Brad Hazenberg/Hazenberg Dairy	PHONE NO. (503) 633-2876	ADDITIONAL CONTACT NO. (503) 805-2342	
ADDRESS 5828 Champoeg Rd NE			
CITY Saint Paul	STATE OR	ZIP 97137	E-MAIL hazenbergaccounting@stpaultel.com

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each permit holder of record must sign this form.***

3. Permit or holder of record (this may, or may not, be the current property owner):

PERMIT HOLDER OF RECORD Hazenberg Dairy			
ADDRESS 5828 Champoeg Rd NE			
CITY Saint Paul	STATE OR	ZIP 97137	

ADDITIONAL PERMIT HOLDER OF RECORD NA			
ADDRESS NA			
CITY NA	STATE NA	ZIP NA	

4. Date of Site Inspection:

09/17/2021 – 11/03/2021

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Brad and Brandon Hazenberg	09/17/2021	Owner and Co-Owner
Brandon Hazenberg	09/28/2021	Co-Owner
Brandon Hazenberg	11/03/2021	Co-Owner

6. County:

Marion

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD NA		
ADDRESS NA		
CITY NA	STATE NA	ZIP NA

Add additional tables for owners of record as needed

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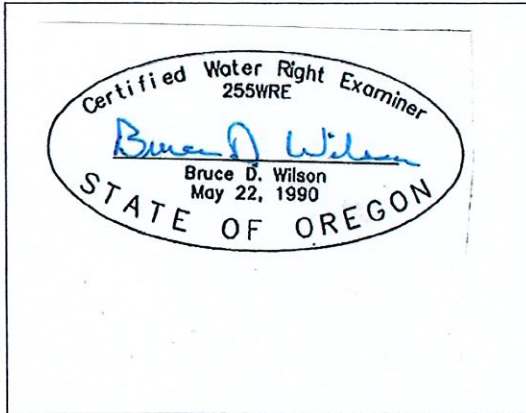
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**SECTION 2
SIGNATURES**

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



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CWRE NAME Bruce D. Wilson		PHONE NO. (866) 493-3243	ADDITIONAL CONTACT NO. (503) 881-4254
ADDRESS 1975 Rock Ledge Dr. NE			
CITY Keizer	STATE OR	ZIP 97303	E-MAIL BDWEng@comcast.net

Permit Holder of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Brad Hazenberg	Owner	11/3/21

SECTION 3
CLAIM DESCRIPTION

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
WRPOD

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
WRPOD	Willamette River	Columbia River

3. Developed use(s), period of use, and rate for each use:

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
WRPOD	Irrigation	Grass Hay Corn for Silage	May 15 to September 30	1,428 GPM and 250 AF
Total Quantity of Water Used				

4. Provide a general narrative description of the distribution works. This description must trace the water system from each point of diversion to the place of use:

A 75 horsepower pump transfers water from the Willamette River (WRPOD) to a 12 inch diameter underground PVC pipeline. The 12 inch diameter underground PVC pipeline is 5,960 feet long and transfers water to wastewater storage pond 2 (WSP2) at a design rate of 2,000 gpm at 110 feet of total dynamic head which mixes with wastewater from the dairy operations. The theoretical pumping rate from the Willamette River to WSP2 is 1,428 gpm at 166 feet of total dynamic head. A wastewater pump at WSP2 pumps wastewater through a 6 inch diameter underground PVC pipeline to wastewater storage pond 3 (WSP3) at a theoretical rate of 730 gpm. Wastewater overflow from WSP3 is directed to wastewater storage pond 4 (WSP4). Pumps at WSP2, WSP3 and WSP4 pump stored wastewater through 6, 8 and 12 inch diameter underground PVC pipelines to 8 traveling big gun sprinkler systems that are used to irrigate the crops grown on the farm. There are valve manifolds throughout the system that allow water to be directed in both directions in the pipelines. The pump at the Willamette River (WRPOD) is pulled out of the river at the end of the irrigation season, around September 30th and put back in the river around May 15th.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, or permit amendment final order? If yes, describe below.

NO

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

The use developed was the same as authorized by the permit.

6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
WRPOD	NA	1,428 gpm	250 AF	Irrigation	473.8 Ac	457.7 Ac

SECTION 4

SYSTEM DESCRIPTION

Are there multiple PODs?

NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

NA

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A. Place of Use

1. Is the right for municipal use?

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NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
3 S	2W	WM	31	NENE	4		Irrigation		24.1
3S	2W	WM	31	NWNE	4		Irrigation		5.4
3 S	2W	WM	32	NWNE		65	Irrigation		11.5
3S	2W	WM	32	SWNE		65	Irrigation		17.5
3S	2W	WM	32	SENE		65	Irrigation		1.9
3 S	2W	WM	32	NENW		65	Irrigation		0.2
3 S	2W	WM	32	NENW	3		Irrigation		0.2
3S	2W	WM	32	NWNW	4		Irrigation	16.5	18.1
3 S	2W	WM	32	NESE		65	Irrigation		31.4
3 S	2W	WM	32	NWSE		65	Irrigation		18.5
3 S	2W	WM	32	NWSE		66	Irrigation		10.2
3 S	2W	WM	32	SWSE		65	Irrigation		0.2
3 S	2W	WM	32	SWSE		66	Irrigation		11.2
3S	2W	WM	32	SESE		65	Irrigation		23.2
3S	2W	WM	32	SESE		66	Irrigation		13.9
3 S	2W	WM	33	NWSW		65	Irrigation		9.6
3S	2W	WM	33	SWSW		65	Irrigation		21.0
4S	2W	WM	4	NWNW		40	Irrigation		0.9
4S	2W	WM	4	SWSW		38	Irrigation		7.8
4S	2W	WM	5	NENE		39	Irrigation		31.8
4S	2W	WM	5	NWNE		39	Irrigation		2.1
4S	2W	WM	5	SWNE		39	Irrigation		12.8
4S	2W	WM	5	SENE		39	Irrigation		38.9
4S	2W	WM	5	NESE		39	Irrigation		18.9
4S	2W	WM	5	NESE		38	Irrigation		3.4
4S	2W	WM	5	NWSE		38	Irrigation		2.9
4S	2W	WM	5	NWSE		39	Irrigation		10.7
4S	2W	WM	5	SWSE		38	Irrigation		13.4
4S	2W	WM	5	SESE		38	Irrigation		35.1
4S	2W	WM	8	NENE		38	Irrigation		26.6
4S	2W	WM	9	NWNW		38	Irrigation		17.8
Total Acres Irrigated								16.5	441.2

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion to the place of use.

1. Is a pump used?

YES

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Berkley	10T-1900	NA	Submersible Turbine	10.25 in	7.69 in

3. Motor Information:

MANUFACTURER	HORSEPOWER
Berkley	75 Hp

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75	47.62	-20 feet	56 feet	2.98

5. Provide pump calculations:

See Attachments

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
NA	NA	NA	NA

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12 inch Diameter	5,714 Feet	PVC	Buried
8 inch Diameter	5,007 Feet	PVC	Buried
6 inch Diameter	8,270 Feet	PVC	Buried

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
4 inch Diameter	12@1,400 Feet	Polyethylene	Above Ground

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
1.2 inch	60 psi	330	12	8	2,640 gpm

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
NA	NA	NA	NA	NA	NA

12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
NA	NA	NA	NA	NA	NA

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA	NA	NA	NA	NA

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

YES

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank
Bulge in System / Reservoir

NO

YES

Complete appropriate table(s), unused table may be deleted.

2. Storage Tank:

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED
NA	NA	NA

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
WSP2	15 Feet	79.3 Acre Feet
WSP3	36 Feet	111.8 Acre Feet
WSP4	9.5 Feet	71.1 Acre Feet

D. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe? NO

E. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

F. Additional notes or comments related to the system:

See attachments for WSP2, WSP3, and WSP4 as-built drawings.

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**SECTION 5
CONDITIONS**

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension of time:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	12/16/2014		
BEGIN CONSTRUCTION (A)	03/01/2015	04/01/2015	Completed installation of pump, flowmeter and pipeline.
COMPLETE CONSTRUCTION (B)	05/01/2015	05/15/2015	Started pumping water to WSP2
COMPLETE APPLICATION OF WATER (C)	09/30/2019	09/30/2019	Completed full application of water to all fields

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)? **NO**

If "NO", items a and b relating to this section may be deleted.

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? **YES**

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed? **YES**

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
WRPOD	McCrometer	14-14379	Working	368817	04/01/2015

If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

OWRD YES

If "NO", item b relating to this section may be deleted.

b. Have the reports been submitted?

YES

If the reports have not been submitted, attach a copy of the reports if available.

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion?

YES

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed?

YES

c. When was the fish screening installed?

DATE	BY WHOM
04/01/2015	Rob Miller, R & R Miller Inc, Hubbard, OR

Reminder: If the permit was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

d. If the diversion **involves a pump *and* the total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? NA

If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx> complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump *or* the total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? NO

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices:

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- a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? NO

If "NO", items b and c relating to this section may be deleted.

7. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Was the water user required to restore the riparian area if it was disturbed? YES
- b. Was a fishway required? NO
- c. Was submittal of a water management and conservation plan required? NO
- d. Other conditions? YES

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

a. Disturbance to the riparian area was minimal so no restoration was needed.
d. All standard permit conditions were met except for condition number 8 which is being met by this claim of beneficial use.

**SECTION 6
ATTACHMENTS**

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
CBU Map	Claim of Beneficial Use map.
Pump&Fish Screen	Pump site, pump curve, fish screen information and pump calculations.
Sprinkler Capacity	Sprinkler flowrate calculations.
Fish Screen Approval	ODFW letter approving installed fish screen.
WSP As-builts	As-built drawings for WSP2, WSP3, and WSP4.

SECTION 7

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CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

USDA-FSA-APFO Digital Ortho Mosaic, 1 map 1,860,436 MB, 11/07/2020, National Agriculture Imagery Program (NAIP), 1-1_hn_s_or047_2020_1 Marion.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

- Map on polyester film
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature