# CLAIM OF BENEFICIAL USE for Surface Water Permits claiming 0.1 cfs or less



# Oregon Water Resources Department

725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900

www.oregon.gov/OWRD

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

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

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# SECTION 1 GENERAL INFORMATION

### 1. File Information:

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
5-88433	S-55234	N/A

3	Duamanti	Oumar	Laureant	OWNOR	information	١.
۷.	Property	Owner	(current	Owner	IIIIOIIIIatioii	1.

APPLICANT/BUSINESS NAME Mary Olson		PHONE NO <b>503.507.</b> 0	The state of the s
ADDRESS 15305 Dunn Forest Roa	d		
CITY	STATE	ZIP	E-MAIL
Monmouth	OR	97361	airlie@airliewinery.com

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

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

PERMIT HOLDER OF RECORD			
Same as above			
Address			
CITY	STATE	ZIP	

ADDITIONAL PERMIT HOLDE	r of Record		
Address			
CITY	STATE	ZIP	

# 4. Date of Site Inspection:

28 JAN 2025

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

NAME	DATE	Association with the Project	
Elizabeth Clark	28 JAN 2025	Winemaker	

# 6. County:

Polk

# 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 N/A			
Address			Ranohma
Сіту	STATE	ZIP	APR 1 0 2025

Add additional tables for owners of record as needed

# 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.

Seal and Sign	ature		

CWRE NAME Eric Urstadt, PE, PLS, CW	/RE	PHONE NO <b>971.250.</b>	
ADDRESS 39290 NW Murtaugh Ro	ad		
CITY	STATE	ZIP	E-Mail
North Plains	OR	97133	ericurstadt@hotmail.com

# Permit Holder's of Record Signature or Acknowledgement

**<u>Each</u>** 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
( hou	Mary Olson	Landowner	APRIL 1 2025
		7	

<sup>\*</sup>Note: Mary Olson is the landowner and she also the president of Olson-Davis, Inc. Olson-Davis, Inc. is the authorized representative of Airlie Winery.

Revised 7/1/2021

COBU Form Reservoir - Page of 17

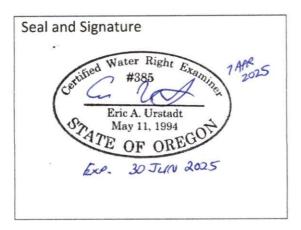
WR



# 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.



CWRE NAME Eric Urstadt, PE, PLS, CW	/RE	PHONE NO 971.250.3		0.
ADDRESS 39290 NW Murtaugh Ro	ad			
CITY	STATE	ZIP	E-MAIL	
North Plains	OR	97133	ericurstadt@hotmail.com	

# Permit Holder's of Record Signature or Acknowledgement

**<u>Each</u>** 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.

PRINT OR TYPE NAME	TITLE	DATE
Mary Olson	Landowner	
W 1		

<sup>\*</sup>Note: Mary Olson is the landowner and she also the president of Olson-Davis, Inc. Olson-Davis, Inc. is the authorized representative of Airlie Winery.

# CLAIM DESCRIPTION

1. POD source and, if from surface water, the tributary:

POD Name or Number	Source	TRIBUTARY
POD 2 (Pump)	Airlie Winery Reservoir and unnamed tributary	Fuller Creek

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

POD	USES	If IRRIGATION,	SEASON OR MONTHS	ACTUAL RATE OR
NAME OR NUMBER		LIST CROP TYPE	WHEN WATER WAS USED	VOLUME USED (CFS, GPM, OR AF)
POD 1 (Dam)	Pond Maintenance	N/A	Nov. 1 – May 30	0.03 CFS*
POD 2 (Pump)	Irrigation	Grapes	Mar. 1 – Oct. 31	3.0 AF**
Total Quantity of	Water Used		1	3.0 AF & 0.03 CFS

<sup>\* 0.03</sup> CFS is the permitted rate; the actual instantaneous rate depends on precipitation, and the CWRE estimates that the maximum instantaneous rate is higher than 0.03 CFS in high rainfall events.

**3. 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:

The water is pumped from POD 2 and piped to certain vineyard blocks. Some water is pumped up to 3 tanks (1 - white 900-gallon tank and 2 - green 10,000-gallon tanks). This water is repumped (or gravity fed) to certain vineyard blocks mostly near the southwest end of the property.

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).

### 4. Variations:

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

(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 irrigation area is smaller because only certain blocks were watered within the last five years. Also, 3 above-ground tanks are used to temporarily store water.



<sup>\*\*</sup> The actual volume of water used each year has not been determined; however, the maximum pumping rate has been computed to be as much as 1.69 CFS, which converts to 800 AF over the irrigation season, so 3.0 AF is placed in the column. Even at the emitter rate of 25 GPM, the system can use over 26 AF over the irrigation system.

5. Claim Summary:

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
POD 1 (Dam)	0.03 CFS	N/A	N/A	Pond maintenance	N/A	N/A
POD 2 (Pump)	3.0 AF	25 GPM (based on max emitters)	N/A	Irrigation	35.9	10.5

<sup>\*</sup>Note: the max rate of 25 GPM for the entire irrigation system is 27 AF for that year, which is more than the 3.0 AF allowed per year.

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### SYSTEM DESCRIPTION

Are there mul	tipl	e P	ODs?
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YES

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):

_	THE RESIDENCE OF THE PARTY OF T	MINISTER .			
- 1					
- 1	POD 1 (Dar	99 1			
- 4	IN WASHING TO SECURE	5 2 2			
_	CONTRACTOR OF THE PROPERTY OF	SHEET AND AND ADDRESS OF THE PARTY OF THE PA			

# A. Place of Use

Attach Claim of Beneficial Use map.

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Gov Lot), Quarter-Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Gov Lot, 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 <u>and</u> apply the water from the point of diversion to the place of use.

# 1. Is a pump used?

NO

If "NO" items 2 through item 5 may be deleted. Items Deleted

# 6. Sprinkler Information:

Size	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM Number Used	TOTAL SPRINKLER OUTPUT (CFS)
N/A					

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

# 7. Drip Emitter Information:

SIZE	OPERATING	EMITTER	TOTAL NUMBER	Махімим	TOTAL EMITTER OUTPUT
	PSI	OUTPUT (GPM)	OF EMITTERS	Number Used	(CFS)
N/A					
		100000000000000000000000000000000000000			

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8. 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
N/A					

•	C+	^	2	æ	0
C.	St	U	ı a	Б	C

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

NO

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

# 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

If "NO", items 2 through 4 relating to this section may be deleted. Items Deleted

# 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

If "NO", items 2 through 4 relating to this section may be deleted. Items Deleted

F.	Additional	notes or	comments	related	to	the sy	vstem
	Additional	HOLCS OF	COMMITTEE	ILIMELW			1000000

The system to divert water is a dam in a drainage swale.



# SYSTEM DESCRIPTION

Are there multiple PODs?

YES

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):

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# A. Place of Use

Attach Claim of Beneficial Use map.

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Gov Lot), Quarter-Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Gov Lot, 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 <u>and</u> 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 5 may be deleted.

2. Pump Information:

Manufacturer	MODEL	SERIAL NUMBER	Type (centrifugal, turbine or submersible)
Century	C48D63D72	14322J2	Centrifugal

3. Theoretical Pump Capacity:

Horsepower	OPERATING PSI	LIFT FROM SOURCE TO PUMP  *IF A WELL, THE WATER LEVEL  DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
1	40	5 FEET	-90 FEET (the POU is lower than the pump.	1.69

# 4. Provide pump calculations:

See Attachment B - Pump Calculations.

5. 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)
N/A		N/A	

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

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6. Sprinkler Information:

Size	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
N/A					

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

7. Drip Emitter Information:

Size	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
9/64	30	0.5 (gallons per hour)	14300	3000	0.6 (or 25 GPH)

8. 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
N/A					

# 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

YES

Bulge in System / Reservoir

NO

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

2. Storage Tank:

MATERIAL	CAPACITY	ABOVE GROUND OR BURIED
(CONCRETE, FIBERGLASS, METAL, ETC.)	(IN GALLONS)	
white plastic	900	above
two green fiberglass	20,000 (+2 x 10,000 each)	above

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN
(CORRESPOND TO MAP)		ACRE FEET)
N/A		Received

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# 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

If "NO", items 2 through 4 relating to this section may be deleted. Items Deleted

# F. Additional notes or comments related to the system:

The tanks are used to water the vineyards that area farthest from the pump.

# **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 extension final order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	24 SEP 2019		
BEGIN CONSTRUCTION (A)	24 SEP 2024	25 SEP 2019	The system was completed under the conditions of the permit.
COMPLETE CONSTRUCTION (B)	N/A	N/A	N/A
COMPLETE APPLICATION OF WATER (C)	24 SEP 2024	Early Sep 2024	Lands were irrigated per the conditions of the permit and pond maintenance storage has occurred.

<sup>\*</sup> 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. Items Deleted

### 3. Measurement Conditions:

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

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

Received

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

MANUFACTURER	SERIAL#	CONDITION	CURRENT METER	DATE INSTALLED
		(WORKING OR NOT)	READING	
Netafim	19-50078	working	760,915	April 1, 2017
Committee of the Commit			(WORKING OR NOT)	(WORKING OR NOT) READING

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

- d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department?
- e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

NAME	TITLE	APPROXIMATE DATE
N/A		

f. Measurement Device Description

DEVICE DESCRIPTION	CONDITION	Date Installed
	(WORKING OR NOT)	
N/A		

# 4. Recording and reporting conditions:

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

NO

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

# 5. Fish Screening:

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

See Attachment C - Fish screen information.

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?

NO

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c. When was the fish screening installed?

DATE	Ву Wном
N/A	N/A

Reminder: If the permit or transfer final order was issued <u>on or after February 1, 2011</u>, 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**  $\underline{and}$  the **total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs):
  - Has the self-certification form previously been submitted to the Department? NA

If not, go to <a href="https://www.oregon.gov/OWRD/Forms/Pages/default.aspx">https://www.oregon.gov/OWRD/Forms/Pages/default.aspx</a> 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** <u>or</u> 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?
   If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at <a href="https://www.oregon.gov/OWRD/Forms/Pages/default.aspx">https://www.oregon.gov/OWRD/Forms/Pages/default.aspx</a>

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:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion?

YES

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

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

b. Have by-pass devices been installed?

NO

DESCRIPTION	IF INSTALLED	IF INSTALLED, BY WHOM
(E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS	(DATE)	
DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE		
STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE		
DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY		
ATTACH PHOTOS TO THIS CLAIM.		
No by-pass device is necessary because there is a direct	N/A	N/A
diversion from the stream via a pump on river left stream bank with foot valve descending directly into natural pool.	Received	
	Λ	PR 111 2025

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:
 (Provide a letter from ODFW indicating the device is approved or is unnecessary.) See Attachment C - Fish Information

# 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?
- b. Other conditions?

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

Riparian area: All areas that might be considered to have riparian areas have been observed by the CWRE, and all areas are in good condition and have long established vegetation. Therefore, if a riparian areas was disturbed, it has been restored.

# **SECTION 6**

# **ATTACHMENTS**

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

ATTACHMENT NAME	DESCRIPTION
A	Claim of Beneficial Use map
В	Pump Calculations
С	ODFW Fish Information

# **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.

THE SECTION, DLC, AND PROPERTY LINES ARE FROM A SCALED TAX ASSESSOR MAP FOR SECTION 6 OF T10S, R5W. GOVERNMENT LOTS ARE FROM GENERAL LAND OFFICE RECORDS. IRRIGATION AREAS ARE FROM AERIAL PHOTO INTERPRETATION, AND LANDOWNER TESTIMONY.

# **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.)

$\boxtimes$	Map on polyester film.		
$\boxtimes$	Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)		
$\boxtimes$	Township, Range, Section, Donation Land Claims, and Government Lots		
$\boxtimes$	If irrigation, number of acres irrigated within each projected Donation Land Claim Government Lots, Quarter-Quarters	is,	
$\boxtimes$	Locations of fish screens and/or fish by-pass devices in relationship to point of diversion		
$\boxtimes$	Locations of meters and/or measuring devices in relationship to point of diversion		
$\boxtimes$	Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)		
$\boxtimes$	Point(s) of diversion or appropriation (illustrated and coordinates)		
$\boxtimes$	Tax lot boundaries and numbers		
$\boxtimes$	Source illustrated if surface water		
$\boxtimes$	Disclaimer ("This map is not intended to provide legal dimensions or locations of ownership lines")	property	
$\boxtimes$		0 2025	
$\boxtimes$	North arrow		
$\boxtimes$	Legend	/RD	
$\boxtimes$	CWRE stamp and signature		

# **Pump Capacity Calculation Sheet - High rate**

using Department designed formula:

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61 Turbine = 7.04

# Data Entry (fill in underlined blanks)

$$\begin{array}{c|c} \mathsf{HP} = & & 1 \\ \mathsf{Efficiency} = & & 6.61 \\ \mathsf{Lift} = & & -85 \\ \mathsf{PSI} = & & 35 \\ \end{array} \mathsf{downward}$$

# **Results Calculated**

(hp)(efficiency) = 6.61 Head based on psi = 88.9 Total dynamic head = 3.9 (head + lift)

Pump Capacity =

1.69 feet per second

or

758 gallons per minute

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# Pump Capacity Calculation Sheet - up to tanks

using Department designed formula:

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61 Turbine = 7.04

# Data Entry (fill in underlined blanks)

$$\begin{array}{ccc} & \text{HP} = & & 1 \\ \text{Efficiency} = & & 6.61 \\ \text{Lift} = & & 30 \\ \text{PSI} = & & 0 \\ \end{array} \text{to tanks}$$

# **Results Calculated**

(hp)(efficiency) = 6.61 Head based on psi = 0.0 Total dynamic head = 30.0 (head + lift)

Pump Capacity =

0.22 feet per second99 gallons per minute



# Department of Fish and Wildlife

South Willamette Watershed District Office
7118 NE Vandenberg Ave
Corvallis, 97330
(541) 757-4186
(541) 757-4252

OREGON

January 14, 2025

Mary Olson 15305 Dunn Forest Rd Monmouth, OR 97361

Re: Status of Fish Screens Requirement for S-55234

To whom it may concern,

The Oregon Department of Fish and Wildlife (ODFW) is submitting this letter regarding the fish screening and conditions contained in permit S-55234 in the name of Mary Olson. The permit allows the water user to submit evidence in writing that ODFW has determined screens and/or bypass devices are not necessary. After inspection of the reservoir location, ODFW has determined that fish screening is <u>not</u> necessary for S-55234, which allows for the use of 3 acre-feet of stored water from Airlie Winery Reservoir for irrigation and 0.03 cfs from an unnamed tributary of Fuller Creek for pond maintenance. ODFW has determined that screening is not necessary to protect fish at this site.

Please let me know if you need any additional information or have any further questions.

Best regards,

Elise Kelley

Mid-Willamette District Fish Biologist



Water Resources, Water Rights, Land Surveying, Engineering, Land Use Planning

# ERICURSTADT@HOTMAIL.COM 971-250-1520 (MOBILE)

Water Resources Department Attn: Certificate Section 725 Summer Street NE, Ste. A Salem, OR, 97301

19 MAR 2025

Subject: A Claim of Beneficial Use for permit S-55234

To Whom It May Concern,

Enclosed is a Claim of Beneficial Use for permit S-55234 together with the following attachments:

- A. Claim of Beneficial Use Map
- B. Pump Calculations
- C. ODFW Fish Information
- D. A check made out to "Oregon Water Resources Department" for \$230.00

Please let me know if there are any concerns or you need any more information.

Respectfully,

Aspen Rural Land Consulting

Eric Urstadt, PE, PLS

Received
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