

**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](http://www.oregon.gov/OWRD)

**A fee of \$200 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 503-986-0900 and ask for the Certificate Section.

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 # <b>S-51780</b>	PERMIT # <b>S-46319</b>	PERMIT AMENDMENT # <b>T-8444</b>
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**2. Property Owner (current owner information):**

APPLICANT/BUSINESS NAME <b>City of Wilsonville (POC: Delora Kerber, Public Works Director)</b>		PHONE NO. <b>503-570-1542</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>29799 SW Town Center Loop East</b>			
CITY <b>Wilsonville</b>	STATE <b>OR</b>	ZIP <b>97070</b>	E-MAIL <b>kerber@ci.wilsonville.or.us</b>

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

PERMIT HOLDER OF RECORD <b>City of Wilsonville (POC: Delora Kerber, Public Works Director)</b>		
ADDRESS <b>29799 SW Town Center Loop East</b>		
CITY <b>Wilsonville</b>	STATE <b>OR</b>	ZIP <b>97070</b>

ADDITIONAL PERMIT HOLDER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

**4. Date of Site Inspection:**

<b>11/16/2020</b>
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**5. Person(s) interviewed and description of their association with the project:**

NAME	DATE	ASSOCIATION WITH THE PROJECT
<b>Delora Kerber</b>	<b>Several times from Jun – Nov 2020</b>	<b>Wilsonville Public Works Director</b>
<b>Martin Montalvo</b>	<b>November 2020</b>	<b>Wilsonville Public Works Operations Manager</b>
<b>Ian Eglitis</b>	<b>November 2020</b>	<b>Wilsonville Utilities Supervisor</b>

**6. County:**

<b>Clackamas / Washington</b>
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**7. If any property described in the place of use of the permit is excluded from this report, identify the owner of record for that property (ORS 537.230(5)): **NA****

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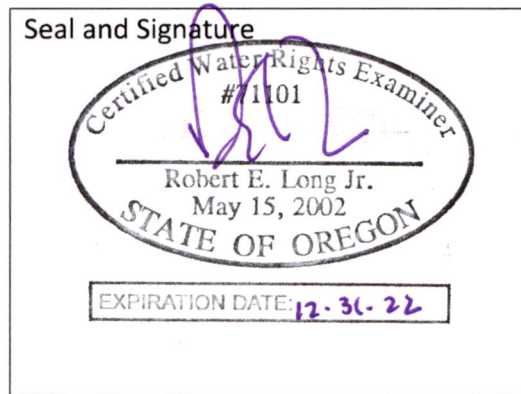
OWNER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

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.



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CWRE NAME <b>Robert Long, RG, LHG, CWRE</b>		PHONE NO. <b>503 954 1326</b>	ADDITIONAL CONTACT NO. <b>Bob.long@cwrmh2o.com</b>
ADDRESS <b>1319 SE Martin Luther King Junior Blvd, Suite 204</b>			
CITY <b>Portland</b>	STATE <b>OR</b>	ZIP <b>97214</b>	CITY <b>Portland</b>

### 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
<i>Delora Kerber</i>	<b>Delora Kerber</b>	<b>Public Works Director</b>	<b>8/4/22</b>

**SECTION 3  
CLAIM DESCRIPTION**

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**1. Point of diversion name or number:**

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD 1
POD 2

**2. Point of diversion source and tributary:**

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD 1 (Original)	Willamette River	Columbia River
POD 2 (Water Treatment Plant Diversion)	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)
POD 1 & 2	Municipal		Year-round	20.4 cfs (max recorded on August 2, 2017)
<b>Total Quantity of Water Used</b>				<b>6130.6 AF/year (2017)</b>

**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 large diversion structure (POD 2) is located approx. 100 feet from the north shore of the Willamette River near the treatment plant. The structure consists of two 5.5 x 17.7 ft cylindrical, fine-mesh screens (0.07-inch openings) set about 8 feet above the river bed. Water that is diverted through the diversion structure is first carried to the Wilsonville Water Treatment Plant in a 72-inch pipe, where four pump/motor systems lift the water from the bottom of the caisson into the processing system. After treatment, water is transported through a 63" steel pipe north to a junction with an 18" ductile iron mainline east-west along Wilsonville Road and continues northward along Kinsman Road as a 48" steel pipe to the distribution system.

**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.

**YES** ~~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 original permit allows for the diversion of 30.0 cfs from the Willamette River for the treatment plant. Records to date indicate that the treatment plant has developed 20.4 cfs (68%) of the 30.0 cfs allowed.

**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
POD #1	30.0 cfs	0.0 cfs	0.0 cfs	Municipal	-	-
POD #2	30.0 cfs	23.0 cfs*	20.4 cfs	Municipal	-	-

*\*Based on the capacity of the water treatment plant. POD #1 does not currently have any diversion infrastructure in place and all diversion is through POD #2. The pumps and motors in place at POD #2 have the theoretical capacity to lift 37.1 cfs from the river, but the treatment capacity of the plant remains at approx. 23.0 cfs.*

**SECTION 4  
SYSTEM DESCRIPTION**

Are there multiple PODs? **YES** ~~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):

POD #1 (undeveloped)

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**A. Place of Use**

1. Is the right for municipal use? **YES** ~~NO~~

If "YES" the table below may be deleted.

**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~~ **NO**

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

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

7. Is the distribution system piped? **YES** ~~NO~~

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

**8. Mainline Information: This POD is not tied to the distribution system described for POD #2.**

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

**9. Lateral or Handline Information: NA**

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

**10. Sprinkler Information: NA**

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)

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

**11. Drip Emmitter Information: NA**

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

**12. Drip Tape Information: NA**

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

**13. Pivot Information: NA**

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

**C. Storage**

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

YES NO

POD #1 is undeveloped and is not connected to the storage systems described for POD #2.

**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?

YES NO

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

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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?

YES NO

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

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

POD #1 was the original POD on permit G-46319 but was replaced by POD #2, which was added to the permit by Transfer T-8444 in 2000. POD #1 does not function as an active diversion and does not have the infrastructure in place to divert water to the treatment plant.

### SYSTEM DESCRIPTION

Are there multiple PODs?

YES 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):

POD #2 (Water Treatment Plant Intake)

### A. Place of Use

1. Is the right for municipal use?

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YES NO

If "YES" the table below may be deleted.

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### B. Diversion and Delivery System Information

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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 NO

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
#1 - FloWay Pumps	19FKM F	40732-1-1	Vertical Turbine Pump	20"	16"
#2 - FloWay Pumps	19FKM F	40732-1-2	Vertical Turbine Pump	20"	16"
#3 - FloWay Pumps	19FKM F	40732-1-3	Vertical Turbine Pump	20"	16"
#4 - FloWay Pumps	15DKH F	40732-3-1	Vertical Turbine Pump	15.6"	12"

**3. Motor Information:**

MANUFACTURER	HORSEPOWER
#1 – General Electric Motors	200 HP
#2 – General Electric Motors	200 HP
#3 – General Electric Motors	200 HP
#4 – General Electric Motors	100 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)
200 HP	15 psi	~75 ft	~20 ft	10.6
200 HP	15 psi	~75 ft	~20 ft	10.6
200 HP	15 psi	~75 ft	~20 ft	10.6
100 HP	15 psi	~75 ft	~20 ft	5.3

**5. Provide pump calculations:**

Larger Pump Capacity =  $(200 \text{ HP} * (7.04 \text{ ft} * \text{cfs}/\text{hp})) / (15 \text{ psi} * (2.54 \text{ ft}/\text{psi}) + 95 \text{ ft}) = 10.6 \text{ CFS}$

Smaller Pump Capacity =  $(100 \text{ HP} * (7.04 \text{ ft} * \text{cfs}/\text{hp})) / (15 \text{ psi} * (2.54 \text{ ft}/\text{psi}) + 95 \text{ ft}) = 5.3 \text{ CFS}$

**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)
			*See below

*\*Only the smaller 100 HP pump was actively pumping during the November 23<sup>rd</sup>, 2020 site visit due to low demand at the time. The shared 24" production flow meter for all four pumps indicated a pumping rate of 5.18 cfs, or 98% of the theoretical maximum capacity of the 100 HP pump.*

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

**7. Is the distribution system piped?**

**YES**  **NO**

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

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**8. Mainline Information:** data from 2012/2013 WMCP and Water Master Plan

MAINLINE SIZE (IN)	LENGTH (FT)	TYPE OF PIPE	BURIED OR ABOVE GROUND
Unknown	9,203	DI, CI	Buried
2.0	2,184	CI, DI, S, CU	Buried
2.5	546	DI	Buried
3.0	5	DI	Buried
4.0	21,739	DI, CI, PVC, S, C	Buried
6.0	82,790	DI, CI, PVC, CU	Buried
8.0	232,465	DI, CI, PVC	Buried
10.0	39,875	DI, CI	Buried
12.0	100,723	DI, CI, C	Buried
14.0	26,079	DI, CI, S	Buried
16.0	5,112	DI	Buried
18.0	32,709	DI, CI	Buried
24.0	2,174	DI	Buried
48.0	7,053	S	Buried
63.0	4,338	S	Buried

\*Pipe materials in "Type of Pipe" column in order of relative abundance from left to right  
 Ductile iron (DI), cast iron (CI), steel (S), polyvinyl carbonate (PVC), concrete (C), copper (CU)

**9. Lateral or Handline Information:** NA

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

**10. Sprinkler Information:** NA

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)

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

**11. Drip Emmitter Information:** NA

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

**12. Drip Tape Information:** NA

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

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**13. Pivot Information: NA**

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

**C. Storage**

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

**YES** **NO**

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

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

**YES** **NO**  
**YES** **NO**

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

**2. Storage Tank:**

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED
Concrete Clearwell	2.49 MG	Underground
Concrete Reservoir	0.70 MG	Underground
Elligsen Tank B-1, Steel Tank	2.00 MG	Surface
Elligsen Tank B-2, Steel Tank	3.00 MG	Surface

**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?**

**YES** **NO**

*If "NO", items 2 through 4 relating to this section may be 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?**

**YES** **NO**

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

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

Water use is metered in two locations at the Wilsonville Water Treatment Plant: at the diversion point and on the finished-water end of the plant. Both metering locations used the same type/model of magnetic flow meter. Due to particulate in the raw diverted water, there is an interference effect with the diversion-end mag meter, which causes the finished-water volume to appear slightly higher than the diverted rate. Plant operators confirm that raw water loss during treatment is miniscule, as all diverted water is cycled through the plant, including back-wash. The interference problem does not occur on the finished-water end and therefore the finished-water meter is used to report diverted volumes.

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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	04/30/1982		
BEGIN CONSTRUCTION (A)	10/01/2042 <i>(date to which extended)</i>	1998	Begin water treatment plant project
COMPLETE CONSTRUCTION (B)	10/01/2042 <i>(date to which extended)</i>	April 2002	Completion of water treatment plant
COMPLETE APPLICATION OF WATER (C)	10/01/2042 <i>(date to which extended)</i>	August 2, 2017	Maximum diversion rate of 20.4 cfs recorded.

\* 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)?

**YES**  **NO**

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

a. Did the Extension Final Order require the submittal of Progress Reports?

**YES**  **NO**

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

b. Were the Progress Reports submitted?

**YES**  **NO**

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

### 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**  **NO**

*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?

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c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
POD #2*	Endress-Hauser 24" Pro Mag 400	N21B8F19000	Working	2,324 gpm (instantaneous rate shown during visit)	04/19/2018

\*There is one shared flow meter between all four pump apparatuses for the POD #2 diversion structure.

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? **YES** ~~NO~~

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

b. Have the reports been submitted? **YES** ~~NO~~

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** ~~NO~~

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.

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b. Has the fish screening been installed? **YES** ~~NO~~

c. When was the fish screening installed?

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DATE	BY WHOM
04/29/2002*	City of Wilsonville (see 2013 WMCP)

\*This is the date the original intake fish screen was in place and the treatment plant became operational, satisfying the conditions of the permit. In October 2021, the City installed a larger approved fish screen to allow for the full permitted diversion capacity while minimizing entrance flow velocity.

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** ~~YES~~ ~~NO~~

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? NA **YES** 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:**

- a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? YES **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 **NO**
- b. Was a fishway required? YES **NO**
- c. Was submittal of a water management and conservation plan required? **YES** NO
- d. Other conditions? **YES** NO

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

A WMCP report was filed and approved in 2013. The most recent extension FO from 2000 also contained a requirement for the creation of a plan to phase-out the use of Wilsonville's groundwater wells. The City of Wilsonville Water Master Plan contains plans to transition the City's groundwater network to backup and emergency production system and to maintain it as such.

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**SECTION 6  
ATTACHMENTS**

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

ATTACHMENT NAME	DESCRIPTION
<b>Attachment 1</b>	<b>CBU Application Maps</b>
<b>Attachment 2</b>	<b>Wilsonville Water System Map</b>

## SECTION 7

### 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.

#### 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

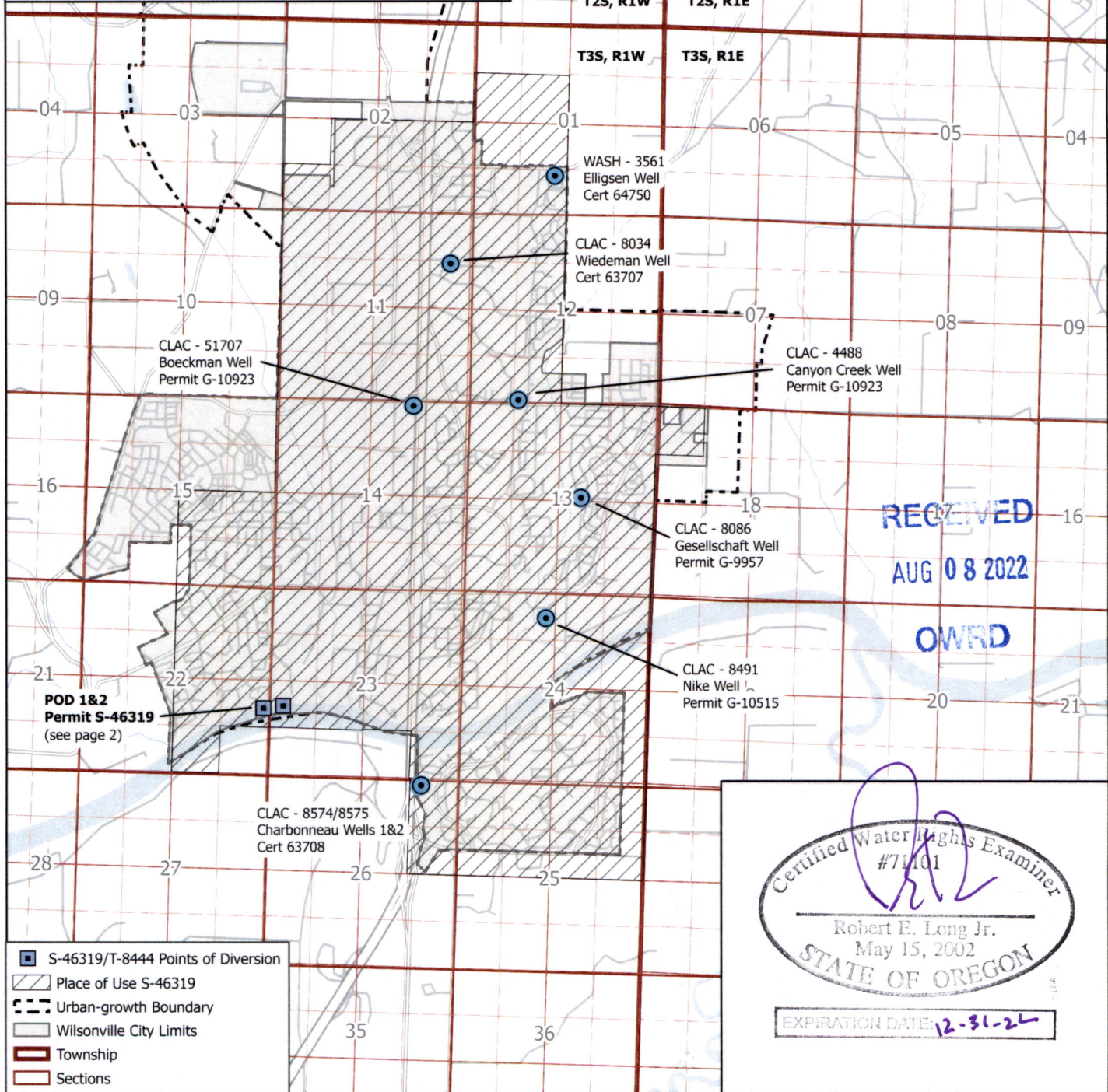
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**ATTACHMENT 1A**  
**Claim of Beneficial Use Application**  
**Place of Use Map - City of Wilsonville**

Application: S - 51780/ Permit: S - 46319  
 T3S, R1W & T3S, R1E



- S-46319/T-8444 Points of Diversion
- ▨ Place of Use S-46319
- - - Urban-growth Boundary
- ▭ Wilsonville City Limits
- ▭ Township
- ▭ Sections

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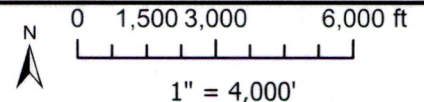
Certified Water Rights Examiner  
 #71101  
 Robert E. Long Jr.  
 May 15, 2002  
 STATE OF OREGON

EXPIRATION DATE: 12-31-24



1319 SE MLK, Jr. Blvd, Suite 204  
 Portland, Oregon 97214  
 (503) 954-1326

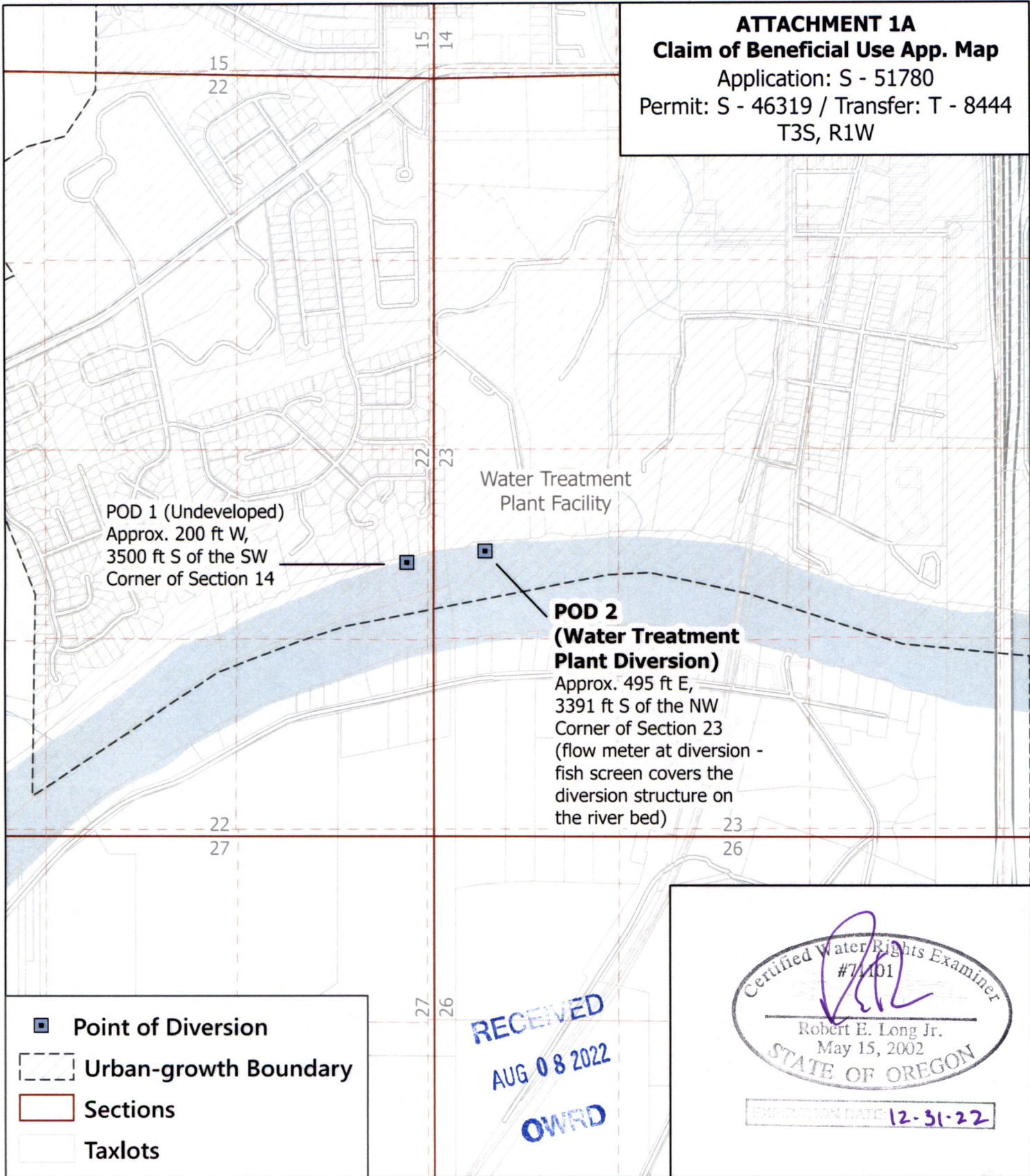
This map is not intended to provide legal dimensions or locations of property ownership lines.



No.	Date	By	Revisions
1			DRAFT
1	10/27/20	IAG	DRAFT 1
2	05/14/21	IAG	FINAL

Proj#: 1707002  
 City of Wilsonville CBU  
 Permit S-46319/T-8444  
 City of Wilsonville  
 30000 SW Town Center Loop E  
 Wilsonville, OR 97070

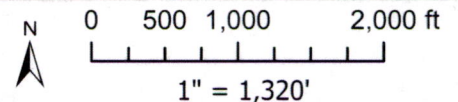
**ATTACHMENT 1A**  
**Claim of Beneficial Use App. Map**  
 Application: S - 51780  
 Permit: S - 46319 / Transfer: T - 8444  
 T3S, R1W



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 Portland, Oregon 97214  
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1	DATE	AUTH	DRAFT
1	10/28/20	IAG	DRAFT 1
2	05/14/21	IAG	FINAL
No.	Date	By	Revisions



**Proj#: 1707002**  
**City of Wilsonville CBU - S-46319/T-8444**  
 City of Wilsonville  
 30000 SW Town Center Loop E  
 Wilsonville, OR 97070





July 28, 2022

Gerry Clark  
Water Rights Services Division  
Oregon Water Resources Department  
725 Summer St. NE Ste A  
Salem, Oregon 97301

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**RE: REQUEST FOR INCREMENTAL PERFECTION OF PERMIT S-46319 FOR 20.4 CFS &  
CLAIMS OF BENEFICIAL USE FOR CITY OF WILSONVILLE GROUNDWATER PERMITS**

Dear Gerry,

Please find accompanying this letter a package of four Claim of Beneficial Use (CBU) applications for the City of Wilsonville, including a copy of an incremental CBU application for Permit S-46319/T-8444. This letter is intended to provide notification of the City of Wilsonville's intent to apply for incremental perfection of their surface water permit S-46319, as required by OAR 690 – 320 – 0040(4). Current City water demands have a maximum diversion rate of 20.4 cfs (measured in August 2017). Attached to this letter you will find monthly summaries of water diversion under S-46319 for the last three years as requested by OAR 690-320-0040(4)(a).

The City Water Treatment Plant (WTP) was constructed with ten raw water pump pads, only four of which are currently occupied. This gives the City the option to add pumps in the future. The WTP is currently in the process of being expanded in coordination with the City of Sherwood and the Willamette Water Supply Program. This project will increase both the diversion and treatment capacities of the WTP. The expansion project will allow the City to divert and treat its full 30.0 cfs of Willamette River water and put it to beneficial use. The City will be able to make an additional claim of beneficial use for the 9.6 cfs left to develop by approx. 2030 (OAR 690-320- 0040(4)(b)).

Attached to this letter you will also find a map indicating the location of the points of diversion for permit S-46319 and the permit area of use (OAR 690-320-0040(4)(c)). It is important to note that only POD #2 has a diversion structure in place and all use under the permit is through POD #2. Though the permit area of use is shown on the map, the actual area of use is the current Urban Growth Boundary (UGB) of the City. With this application, the City of Wilsonville is requesting a waiver of the requirement to include water distribution system pipelines on the application map (In lieu of this, a large-scale engineering drawing of the water distribution system has been included as a separate exhibit).

Also included in this package are three CBU applications for the City's groundwater permits. The address recorded on all four of these water rights included in this package is the physical address of the City's offices. However, in order to ensure that the City receives any mail correspondence related



July 28, 2022

Project No. 2005001

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to these permits or the CBU's included herein, we request that the City's mailing address below is added to the OWRD database for Permits S-46319, G-9957, G-10515, and G-10923.

Please let us know if there are any issues with proceeding in the incremental perfection of the City's surface water permit S-46319/T-8444 or questions regarding the information above or CBU applications included herein. Thank you for your assistance.

Sincerely,

**CwM H2O, L.L.C.**

Robert Long, CWRE

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Enclosed:

Attachment 1: Monthly Water Use from 2018 – 2020 Water Years

Attachment 2: Maps of Permit S-46319 POD and POU

City of Wilsonville Mailing Address:

29799 SW Town Center Loop East

Wilsonville, OR 97070

**ATTACHMENT 1 – WATER USE REPORTING**

<b>City of Wilsonville - Monthly Water Use Reporting - Permit S-46319 (volumes in acre-feet)</b>													
Year	Rep ID	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2021	13295	248.53	204.31	202.94	197.98	184.07	227.86	263.42	374.71	458.93	559.69	553.85	384.79
2020	13295	234.14	210.18	197.00	193.51	174.04	195.65	213.48	272.73	329.25	475.78	520.85	390.17
2019	13295	261.36	209.60	210.54	209.34	182.54	217.11	206.53	364.08	473.16	499.90	522.61	307.43
2018	13295	258.48	208.04	228.02	205.40	179.98	226.13	206.87	349.11	522.84	561.00	603.98	401.50

<b>City of Wilsonville - Monthly Water Use Reporting - Permit S-46319 (volumes in MG)</b>													
Year	Rep ID	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2021	13295	80.98	66.57	66.13	64.51	59.98	74.25	85.84	122.10	149.54	182.37	180.47	125.38
2020	13295	76.29	68.49	64.19	63.06	56.71	63.75	69.56	88.87	107.29	155.03	169.72	127.14
2019	13295	85.16	68.30	68.60	68.21	59.48	70.75	67.30	118.64	154.18	162.89	170.29	100.18
2018	13295	84.23	67.79	74.30	66.93	58.65	73.68	67.41	113.76	170.37	182.80	196.81	130.83

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**AUG 08 2022**  
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