

# Southwest Florida Water Management District

## PUBLIC SUPPLY ANNUAL REPORT

### GENERAL WATER USE PERMIT FOR LESS THAN 100,000 GPD

### ANNUAL AVERAGE QUANTITIES

# 20\_\_

## PART 1 PER CAPITA

Please submit public supply water use information for January 1 through December 31, 20\_\_. Complete the calculations below until a per capita rate of no greater than 150 gpd is reached. Once 150 gpd per person is reached, you do not have to complete the remainder of the page. Put "N/A" in any equation component that does not apply to your situation. See the reverse side of this page for definitions of terms.

<b>WUP No.:</b>		<b>Reporting period (mo/yr-mo/yr):</b>	
<b>Issue Date (of the most recent revision of the WUP):</b>		<b>Contact Phone #:</b>	
<b>Permittee Name:</b>		<b>Contact Name:</b>	
<b>Address:</b>		<b>County:</b>	
Equation Component	WATER USE CATEGORY		Annual Average Quantity
1	<b>WD</b>	<b>Total withdrawals</b> ground water, surface water and stormwater. Attach meter readings and pumpage from 1/1/___ through 12/31/___.	gpd
2	<b>IM</b>	<b>Imported Water</b> Supply itemized list of quantities per supplier. If applicable, include the WUP number (CUP No.) of each supplier listed.	gpd
3	<b>EX</b>	<b>Exported Water</b> Supply itemized list of quantities per receiver. If applicable, include the WUP number (CUP No.) of each receiver listed.	gpd
4	<b>TL</b>	<b>Water Treatment Loss</b> (Provide documentation of each type claimed.)	gpd
5	<b>Gross Water Use: WD + IM – EX - TL</b>		<b>gpd</b>
6	<b>FP</b>	<b>Functional Population Served</b> (Supply supporting calculations, see instructions.)	# people
7	<b>Unadjusted Gross Per Capita = <math>\frac{WD + IM - EX - TL}{FP}</math></b>		<b>gpcd</b>
8	<b>SU</b>	<b>Significant Uses</b> Provide documentation of deductions as required in the Basis of Review and attach <b>PART 2 SIGNIFICANT USE</b> to summarize significant uses.	gpd
9	<b>GC</b>	<b>Golf Course Deduction</b> (See definitions for requirements and limitations.)	gpd
10	<b>EM</b>	<b>Environmental Mitigation</b> if required by the District per your water use permit (attach documentation of quantities used).	gpd
11	<b>Adjusted Gross Per Capita = <math>\frac{WD + IM - EX - TL - SU - GC - EM}{FP}</math></b>		<b>gpcd</b>
12	<b>ST</b>	<b>Stormwater Deduction</b> (See definitions for requirements and limitations.)	gpd
13	<b>RW</b>	<b>Reclaimed Water Deduction</b> (See definitions for requirements and limitations.)	gpd
14	<b>Compliance Per Capita = <math>\frac{WD + IM - EX - TL - SU - GC - EM - ST - RW}{FP}</math></b>		<b>gpcd</b>

## Definitions for Part 1:

**WD – Raw Water Pumpage:** Annual average gallons per day ground water, surface water and stormwater withdrawals as metered at the wellhead(s), wellfield's departure point, or surface water intake facility.

**Imported Water:** Annual average water imported or purchased from other supplier(s). Irrigation water, excluding reclaimed water, provided to the applicant's service area by a separate utility shall be counted as imported water.

**Exported Water:** Annual average gallons per day of water transferred in bulk quantities from your utility to other potable water suppliers. Determine quantities at the departure point from your service area.

**Water Treatment Loss:** Annual average gallons per day which are lost in routine treatment for potability. Examples of treatment loss types are desalination reject, membrane cleaning and sand filtration backwash. Treatment losses are calculated as raw water into the plant minus treated water out of the plant. In addition, no more than 1% of treated water volume delivered to the distribution system for flushing distribution lines for potability may be deducted. Treated water volume delivered to the distribution system includes water from withdrawals plus imports, minus exports, minus treatment losses. Treatment loss and line flushing quantities shall be separately calculated and documented.

**Functional Population:** The served permanent population as adjusted by the seasonal resident, tourist, group quarters and net commuter population within a utility's service area as determined in accordance with "Requirements for the Estimation of Permanent and Temporal Service Area Populations," dated January 1, 2007, as set forth in Part D of the *Water Use Permit Information Manual*.

**Significant Uses:** Note: Whether or not any single significant use is deducted, all single significant uses must be reported as provided in Part 2 **SIGNIFICANT WATER USE DEDUCTIONS**.

There are five options: **A:** Single Significant Use; **B:** District-Wide Percent I/C Use; **C:** Combined Regional Government and Higher Education Facilities; **D:** Individual Regional Health Facilities, **E:** Individual Industrial/Commercial Facilities Where Water Is the Primary Ingredient or Final Product. Definitions and exclusions of each type are given in the BOR, Chapter 3, Section 3.6. You may find this information at this link: [http://www.swfwmd.state.fl.us/files/database/site\\_file\\_sets/14/wup\\_part\\_b\\_-\\_basis\\_of\\_review.pdf](http://www.swfwmd.state.fl.us/files/database/site_file_sets/14/wup_part_b_-_basis_of_review.pdf)

**Environmental Mitigation Use:** Annual average quantities used by a utility to mitigate withdrawal-related stress to a specified environmental feature as required by the utility's Water Use Permit (WUP).

**Golf Course Deduction:** Separately metered golf course irrigation quantities from ground water, surface water, reclaimed water or stormwater provided to golf courses inside the service area. The quantities provided may be deducted only if they are included in the permitted quantities for the service area and reported as withdrawals (WD) in the Annual Report. The "GC" withdrawal quantities deducted shall not exceed those actually provided, or those that would be permitted for use by the District, whichever is less.

**Reclaimed Water Deduction:** 50% of reclaimed water that has received at least secondary treatment and is provided as reclaimed water for a beneficial purpose as set forth in the BOR, Chapter 3, Section 3.1. To be deducted, it must be provided to:

- a. any metered use located outside the utility potable service area boundary,
- b. any single-site separately-metered use within the utility potable service area boundary that uses 25,000 gallons per day or more on an annual average basis during the per capita reporting period, except that no deduction shall be taken for quantities used for residential irrigation (single family, multi-family or mobile home) or for common area irrigation, including entranceways, parking lots, irrigated areas within roadway right-of ways (e.g., road and sidewalk medians), open spaces, community areas, and public parks.

This deduction shall not be taken if the reclaimed water replaces existing demand on the permittee's potable system.

**Stormwater Deduction:** Separately metered and reported stormwater quantities captured by the permittee that are included in the utility's permitted quantities for uses inside the service area other than for golf course irrigation. The stormwater withdrawal quantities deducted shall not exceed the quantities actually provided, or those that would be permitted for the use by the District, whichever is less. Stormwater quantities deducted as golf course (GC) use above may not be included in this deduction for stormwater. The stormwater deduction shall not be taken where the quality of the ground water source to be permitted or replaced is of lower water quality but is suitable for the intended use, unless the use of the stormwater in such cases reduces adverse impact to the water resources.

## **PART 2                      SIGNIFICANT WATER USE DEDUCTIONS**

Permittees may deduct non-residential significant uses from their Unadjusted Gross Water Use (Line 5 on Part i) if documentation, appropriate water audits, and conservation plans are submitted. Several types of significant uses can be used; however, there are combinations that are disallowed. See the Water Use Permit Information Manual”, Part B Chapter 3, "Significant Use" for expanded explanations of deductions allowed. Information to assist the Permittee is given in italics on this form.

**Exclusions:** *Water supplied for the following may not be included in significant use deductions:*

1. *Service Area population-related water uses such as irrigation of common areas, parks, residential lawn and landscape irrigation.*
2. *Golf course irrigation and multi-family residential use, even if classified by the utility as commercial customers.*

**Quantities** referred to in this form are standard annual average daily quantities. These are total gallons in a calendar year divided by 365 days/year. All quantity information requested in this form should be shown in **gallons per day (gpd) for the previous calendar year.**

<b>WUP No(s):</b>
<b>Permittee Name:</b>

### **TYPE A - SINGLE SIGNIFICANT USE**

*A single industrial/commercial (I/C) facility or other non-residential, non-governmental facility that is supplied with greater than or equal to 25,000 gpd of water annually or a quantity equal to 5% or more of the utility's calendar year annual average use. Either the 25,000 gpd criteria or the 5% criteria may be chosen, but not both. The facility may consist of one or more buildings under common ownership, maintenance and management control at a single site or campus. However, buildings that are not related under common ownership, maintenance, and management control cannot be combined to meet a single significant use threshold.*

**Exclusion:** *This deduction cannot be taken with **Type B** or if **net commuter population** is included in the calculation of Functional Population.*

This type of significant use deduction is not being taken. **Skip to Type B.**

1. Indicate the criteria used:     25,000 gpd criteria             5% criteria
2. Complete the chart below. Meter readings or copies of bills that show the gallons supplied are required.

Name of User	Contact Person	Email Address	Telephone	Annual Average Quantities Provided (gpd)
Total				

- Meter readings attached
- Copies of bills attached
- 3. **Water Conservation Plan:** Attach a water conservation plan developed by this utility and the user that describes specific water conservation programs for each type of use.
  - Attached
- 4. **Water Audit:** Attach a separate water audit for each significant user listed above that documents the type(s) of water uses that occur within the significant user's facility, quantities used per type, leak detection and other water conservation activities undertaken by the user.
  - Attached

**TYPE B - DISTRICT-WIDE PERCENT I/C USE**

Utilities with a large number of smaller I/C uses (below the thresholds set in A, above) may combine these smaller uses and compare their I/C use with the District-wide, three-year average percent I/C use. The calculations are given below in the chart. The District-wide, three-year average I/C use percent is available from the District at <http://www.swfwmd.state.fl.us/data/demographics>.

**Exclusions:** This deduction cannot be taken with **Type A, C, D, or E** or if **net commuter population** is included in the calculation of Functional Population.

This type of significant use deduction is not being taken. **Skip to TYPE C.**

1. Please complete the chart below for the previous calendar year and submit documentation of the actual quantities supplied to each I/C customer included in the total. You may use an Excel spreadsheet for this instead; however, I/C uses must be accounted for by meter size and number of connections.

I/C Use (gpd)	Meter size (inches)	Number of connections
	5/8	
	5/8 x 3/4	
	3/4	
	1	
	1.5	
	2	
	3	
	4	
	6	
	8	
	10	
	12	
	Other =	

- a. 

	gpd
--	-----

 Sum your total actual use for I/C.
- b. 

	gpd
--	-----

 Gross Water Use (Total withdrawals + imports – exports – treatment loss).
- c. 

<b>(a ÷ b) x 100</b>	%
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 This is your percent I/C use.
- d. 

	%
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 District 3-yr. average I/C % Use (years referenced: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_)
- e. 

<b>(c – d)</b>	%
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 This is the difference between your I/C use and the District three-year average

If the number in **e.** is positive, you have an eligible deduction; continue to **f.** If the number is negative, you do not have an eligible deduction.

f. 

<b>(e x b)</b>	gpd
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 This is the deduction total.

2. **Water Conservation Plan:** Group the types of I/C uses into similar business types and submit a water conservation plan for each group that shows the water conserving activities that have been required of your I/C customers.

Attached

**TYPE C - COMBINED REGIONAL GOVERNMENT AND HIGHER EDUCATION FACILITIES**

*This deduction is applicable to water quantities provided to regional, state and federal government administrative and maintenance facilities and to public or private college and/universities located within your service area that also serve persons who live outside your service area. Water quantities for K-through-12 schools that do not serve any of the service area population may be deducted by the applicant. The facilities may consist of one or more buildings under common ownership, maintenance and management. Both governmental and educational facilities may be deducted.*

**Exclusions:** This deduction cannot be taken with **Type B** or if **net commuter population** is included in the calculation of Functional Population.

This type of significant use deduction is not being taken. **Skip to TYPE D.**

1. Please provide the following information for the previous calendar year:

Name of Facility	Contact Person / Address / Telephone Number	GPD Provided*

\* Provide documentation such as meter or billing information

2. Complete the calculation table below:

- a. 

	gpd
--	-----

 Sum the GPD provided in the table above.
- b. 

	%
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 From the most recent U.S. Census for your county, calculate the percent of the permanent county population **not** living in your service area.
- c. 

<b>(a x b)</b>	gpd
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 This is your deduction.

3. **Water Conservation Plan:** Attach a water conservation plan specific to each use type that shows the water conserving activities that have been required.

Attached

**TYPE D - INDIVIDUAL REGIONAL HEALTH FACILITIES**

*This deduction is applicable to water quantities provided to regional hospitals or specialty clinics located within your service area that also serve persons who live outside your service area. The regional health facilities may consist of one or more buildings at a single site or campus.*

**Exclusions:** This deduction cannot be taken with **Type B** or if **net commuter population** is included in the calculation of Functional Population.

This type of significant use deduction is not being taken. **Skip to TYPE E.**

1. Please list the facility and provide the full name, mailing address, telephone number, and contact person name for the facilities included in this type of significant use deduction. For each facility included, show the gpd provided for each major type of water use within the facility (e.g., potable [including cafeteria], cleaning, etc.)

List Ref.	Name of Facility	Contact Person Address / Telephone	Type of Water Use	GPD Provided for the Use*
1.				
2.				

\* Documentation required.

2. Complete the table below with information for the previous calendar year. Use "List Ref." to associate the two tables. Documentation of gallons provided must be attached.

A	B		C	D	E F
List Ref.	Total Number of Patients	Number of Patients w/ Postal Zip Code Outside Service Area	Divide Col. C by Col. B	Total GPD (sum each use type from the table above)	Multiply Col. E by Col. D (This is the gpd deduction for the referenced facility.)
1.					
2.					
				<b>TOTAL</b>	<b>gpd</b>

The total of Column F may be deducted from the Gross Water Use (line 5 in Form A).

- 3. **Water Conservation Plan:** Attach a water conservation plan developed by this utility and the user that describes the specific water conservation programs for each user.  Attached
- 4. **Water Audit:** Attach a separate water audit for each health facility significant user listed above that documents the type(s) of water uses that occur within the significant user's facility, quantities used per type, leak detection and other water conservation activities undertaken by the user.  Attached

**TYPE E - INDIVIDUAL I/C FACILITIES WHERE WATER IS THE PRIMARY INGREDIENT OF THE FINAL PRODUCT**

100% of the water contained in the product for brewers, soft-drink bottlers, juice reconstitution plants, and/or bottled water plants may be deducted. Provide meter readings for water quantities provided or copies of bills that quantify gallons provided for the previous year.

**Exclusion:** This deduction cannot be taken with **Type B**.

This type of significant use deduction is not being taken. 1. If this type of significant use is being taken, please provide the following:

a. **Name of Facility:** \_\_\_\_\_

(1) Type of Facility: \_\_\_\_\_

(2) Address: \_\_\_\_\_

(3) Contact Person and telephone number: \_\_\_\_\_

(4) GPD provided for the previous calendar year\*: \_\_\_\_\_

\* Documentation required.  Attached

(5) Percent\*\* of water included in the final product = \_\_\_\_\_%

\*\* Attach a statement from the facility substantiating this percent.  Attached

(6) Allowable deduction: Multiply **(4)** times **(5)** = \_\_\_\_\_ gpd

b. **Name of Facility:** \_\_\_\_\_

(1) Type of Facility: \_\_\_\_\_

(2) Address: \_\_\_\_\_

(3) Contact Person and telephone number: \_\_\_\_\_

(4) GPD provided for the previous calendar year\*: \_\_\_\_\_

\* Documentation required.  Attached

(5) Percent\*\* of water included in the final product = \_\_\_\_\_%

\*\* Attach a statement from the facility substantiating this percent.  Attached

(6) Allowable deduction: Multiply **(4)** times **(5)** = \_\_\_\_\_ gpd

2. Add the gpd in rows (6) (above and on copies of this page) for the total deduction: \_\_\_\_\_gpd.

3. **Water Conservation Plan:** Attach a water conservation plan developed by this utility and the user that describes the specific water conservation programs for each user.  Attached

4. **Water Audit:** Attach a separate water audit for each significant user listed above that documents the type(s) of water uses that occur within the significant user's facility, quantities used per type, leak detection and other water conservation activities undertaken by the user.