

# GASPARILLA ISLAND WATER ASSOCIATION, Inc.

P.O. Box 310  
BOCA GRANDE, FLORIDA 33921-0310  
Telephone (941) 964-2423 Fax (941) 964-0625

February 14, 2014

RECEIVED  
FEB 18 2014

COMMUNITY DEVELOPMENT

Paul O'Connor, Director  
Division of Planning  
Lee County  
P.O. Box 398  
Fort Myers, FL 33902-0398

Re: Water Supply Work Plan  
Request for Information

Dear Mr. O'Connor,

The following is in response to your December 20, 2013 letter requesting information from Gasparilla Island Water Association, Inc. (GIWA) to incorporate into your Water Supply Work Plan:

- GIWA services a functional population of 5,896 in both Lee and Charlotte Counties. We do not have this broken down by county.
- A map depicting our service area is included as Attachment "A".
- GIWA has no plans to expand its service area in the future.
- Since our water treatment facility is located in Charlotte County, GIWA has a water withdrawal permit issued by Southwest Florida Water Management District which included as Attachment "B".
- GIWA's Level of Service standards have not been rated.
- Attachment "C" includes projected water demands and population. The projection includes a reduction in water usage through 2019 and then a gradual increase. The reduction is due to a permit mandate to reduce our per capita daily water usage to 150 gallons per person.

With Gasparilla Island nearing build-out, GIWA's current withdrawal limits in the SWFWMD permit are anticipated to fulfill the needs of the island at build-out.

- GIWA has an interconnect with Charlotte County Utilities (CCU) that allows the purchase of up to 400,000 gallons per day. In an emergency, more can be purchased.

Additionally, a second interconnect is located in Placida that would allow either utility to supply the other in an emergency.

- GIWA has the following water sources:

Five (5) freshwater shallow well fields comprised of thirty-six (36) wells with an annual permitted withdrawal rate of .432 MGD.

Six (6) brackish water wells that withdraw from the Middle Intermediate Aquifer with a permitted annual average withdrawal rate of 1.265 MGD.

- GIWA operates a water treatment facility on the mainland in Charlotte County (See Attachment "A" for location). Five freshwater shallow well fields provide water that is treated with an alum plant rated at .576 MGD. A 1.065 MGD reverse osmosis treatment plant treats water from six (6) brackish water wells. The water from both plants is blended, disinfected, and pumped to Gasparilla Island.

The reverse osmosis plant is designed for 75% recovery with the 25% reject concentrate water disposed of via deep well injection.

- GIWA is in the design stage for two (2) new brackish water wells, and an upgrade to its reverse osmosis treatment plant. The plant upgrade will rehabilitate the existing 1.065 MGD facility, and provide an additional .194 MGD treatment capacity. The permitted withdrawals rates will not increase with the addition of the new wells.

GIWA anticipates obtaining a construction permit this year, and phase the construction in over a five (5) year period.

- Two (2) water storage tanks with a total capacity of .625 MG are located at the water treatment facility on the mainland. Three storage tanks totaling 3.250 MG storage are located on Gasparilla Island.
- Attached is a copy of our draft 2013 Public Supply Annual Report as Attachment "D". This report includes daily average treatment losses and distribution system losses.
- With an unaccounted for water loss at 6.22%, GIWA has no outstanding compliance losses.

If you have any questions, please feel free to contact me at 941-964-2423.

Sincerely,



Bonnie Pringle  
Utility Director

Enclosures

Gasparilla Island Water Association, Inc.



Attachment "A"

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT  
WATER USE PERMIT  
INDIVIDUAL  
PERMIT NO. 20 000718.012**

**PERMIT ISSUE DATE:** December 08, 2011

**EXPIRATION DATE:** December 08, 2021

The Permittee is responsible for submitting an application to renew this permit no sooner than one year prior to the expiration date, and no later than the end of the last business day before the expiration date, whether or not the Permittee receives prior notification by mail. Failure to submit a renewal application prior to the expiration date and continuing to withdraw water after the expiration date is a violation of Chapter 373, Florida Statutes, and Chapter 40D-2, Florida Administrative Code, and may result in a monetary penalty and/or loss of the right to use the water. Issuance of a renewal of this permit is contingent upon District approval.

**TYPE OF APPLICATION:** Renewal  
**GRANTED TO:** Gasparilla Island Water Association, Inc.  
Po Box 310  
Boca Grande, FL 33921-0326

**PROJECT NAME:** GASPARILLA ISLAND WATER ASSOC  
**WATER USE CAUTION AREA:** SOUTHERN WATER USE CAUTION AREA  
**COUNTY:** Charlotte

<b>TOTAL QUANTITIES AUTHORIZED UNDER THIS PERMIT (in gallons per day)</b>	
ANNUAL AVERAGE	1,537,600 gpd
PEAK MONTH <sup>1</sup>	1,952,800 gpd

1. Peak Month: Average daily use during the highest water use month.

**ABSTRACT:**

This is a renewal of an existing water use permit for public supply use. The authorized quantities shown above are not changed from those previously permitted. The annual average quantity remains 1,537,600 gpd, and the peak month quantity remains 1,952,800. The quantities are based on a current population of 5,662 persons and a projected population of 5,805 persons in 2021. The Use Type did not change from the previous revision and remains Public Supply. Quantities are based on an adjusted gross per capita rate of 192 gpd and a compliance per capita rate of 176 gpd. The Permittee's 2010 five year average compliance per capita rate was 176 gpd, and the Permittee must reduce the compliance per capita rate to 164 gpd by December 31, 2014 and to 150 gpd by December 31, 2019. The Permittee currently supplies 304,000 gpd reclaimed water to a service area with a golf course and a residential development for irrigation, but does not expect this quantity to increase by 2021.

Special Conditions include those that require the Permittee to continue to record and report monthly meter readings from all withdrawal points, withdrawal pumpage flexibility, submit the Public Supply Annual Report by April 1 of each year on water use during the previous calendar year, submit the Annual Report On Water Rate Billing And Meter Reading Practices by October 1 of each year, continue to have a water conserving rate structure, continue to implement the District-approved water conservation plan and submit a report on implementation of new components in the Public Supply Annual Report due in 2016, and reduce the compliance per capita rate in 2014 and 2019 as stated above.

*Attachment "B"*

**WATER USE TABLE (in gpd)**

<b><u>USE</u></b>	<b><u>ANNUAL AVERAGE</u></b>	<b><u>PEAK MONTH</u></b>
Public Supply	1,537,600	1,952,800

**USE TYPE**

Commercial/Industrial

Fire Fighting/Testing

Other Metered Uses

Residential Multi-Family

Residential Single Family

Treatment Losses (Backflushing)

Unaccounted Use

**PUBLIC SUPPLY:**

Population Served: 5,805

Per Capita Rate: 150 gpd/person

**WITHDRAWAL POINT QUANTITY TABLE**

Water use from these withdrawal points are restricted to the quantities given below :

<b>I.D. NO. PERMITTEE/ DISTRICT</b>	<b>DIAM (IN.)</b>	<b>DEPTH TTL./CSD.FT. (feet bls)</b>	<b>USE DESCRIPTION</b>	<b>AVERAGE (gpd)</b>	<b>PEAK MONTH (gpd)</b>
1A / 1	4	25 / 23	Public Supply	12,000	16,000
1B / 2	4	25 / 23	Public Supply	12,000	16,000
1C / 3	4	25 / 23	Public Supply	12,000	16,000
1D / 4	4	25 / 23	Public Supply	12,000	16,000
1E / 5	4	25 / 23	Public Supply	12,000	16,000
1F / 6	4	25 / 23	Public Supply	12,000	16,000
1G / 7	4	25 / 23	Public Supply	12,000	16,000
1H / 8	4	25 / 23	Public Supply	12,000	16,000
2A / 9	4	25 / 23	Public Supply	12,000	16,000
2B / 10	4	25 / 23	Public Supply	12,000	16,000
2C / 11	4	25 / 23	Public Supply	12,000	16,000
2D / 12	4	25 / 23	Public Supply	12,000	16,000
2E / 13	4	25 / 23	Public Supply	12,000	16,000
2F / 14	4	25 / 23	Public Supply	12,000	16,000
2G / 15	4	25 / 23	Public Supply	12,000	16,000
3A / 17	4	25 / 23	Public Supply	12,000	16,000
3C / 19	4	25 / 23	Public Supply	12,000	16,000
3E / 21	4	25 / 23	Public Supply	12,000	16,000
3F / 22	4	25 / 23	Public Supply	12,000	16,000
3G / 23	4	25 / 23	Public Supply	12,000	16,000
4A / 25	4	25 / 23	Public Supply	12,000	16,000
4B / 26	4	25 / 23	Public Supply	12,000	16,000
4C / 27	4	25 / 23	Public Supply	12,000	16,000
4D / 28	4	25 / 23	Public Supply	12,000	16,000
4E / 29	4	25 / 23	Public Supply	12,000	16,000
4F / 30	4	25 / 23	Public Supply	12,000	16,000
4G / 31	4	25 / 23	Public Supply	12,000	16,000
4H / 32	4	25 / 23	Public Supply	12,000	16,000
DW1 / 38	8	475 / 302	Public Supply	160,000	160,000
Standby					
5A / 54	4	35 / 17	Public Supply	12,000	16,000
5B / 55	4	35 / 17	Public Supply	12,000	16,000
5C / 56	4	35 / 17	Public Supply	12,000	16,000
5D / 57	4	35 / 17	Public Supply	12,000	16,000
5E / 58	4	35 / 17	Public Supply	12,000	16,000
5G / 59	4	35 / 17	Public Supply	12,000	16,000
5F / 60	4	35 / 17	Public Supply	12,000	16,000
5H / 61	4	35 / 17	Public Supply	12,000	16,000
DW3R / 62	12	450 / 253	Public Supply	165,600	206,000
DW4R / 63	12	450 / 253	Public Supply	165,500	206,000
DW2R / 65	12	425 / 265	Public Supply	112,500	141,400
DW6 / 66	12	350 / 200	Public Supply	165,500	206,000
DW7 / 67	12	401 / 270	Public Supply	165,500	206,000
DW8 / 68	12	300 / 200	Public Supply	165,500	205,700
DW9 / 69	12	300 / 200	Public Supply	165,500	205,700

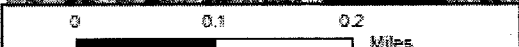
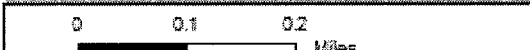
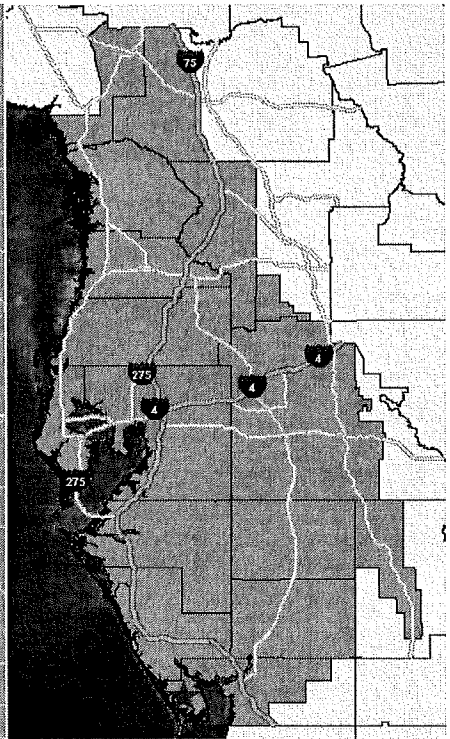
**WITHDRAWAL POINT LOCATION TABLE**

<b><u>DISTRICT I.D. NO.</u></b>	<b><u>LATITUDE/LONGITUDE</u></b>
1	26° 53' 17.10"/82° 14' 42.30"
2	26° 53' 15.50"/82° 14' 42.30"
3	26° 53' 13.70"/82° 14' 42.30"
4	26° 53' 12.20"/82° 14' 42.30"
5	26° 53' 12.10"/82° 14' 40.70"
6	26° 53' 13.70"/82° 14' 40.70"
7	26° 53' 15.50"/82° 14' 40.70"
8	26° 53' 17.20"/82° 14' 40.60"
9	26° 53' 24.20"/82° 14' 35.10"
10	26° 53' 22.20"/82° 14' 35.30"
11	26° 53' 20.90"/82° 14' 35.30"
12	26° 53' 19.20"/82° 14' 35.20"
13	26° 53' 19.00"/82° 14' 33.40"
14	26° 53' 20.90"/82° 14' 33.10"
15	26° 53' 22.60"/82° 14' 33.10"
17	26° 53' 30.60"/82° 14' 33.00"
19	26° 53' 27.30"/82° 14' 33.00"
21	26° 53' 25.49"/82° 14' 30.80"
22	26° 53' 27.10"/82° 14' 30.80"
23	26° 53' 28.80"/82° 14' 29.90"
25	26° 53' 37.60"/82° 14' 27.40"
26	26° 53' 35.90"/82° 14' 27.40"
27	26° 53' 34.20"/82° 14' 27.50"
28	26° 53' 32.60"/82° 14' 25.80"
29	26° 53' 34.00"/82° 14' 24.87"
30	26° 53' 34.10"/82° 14' 25.80"
31	26° 53' 35.90"/82° 14' 25.80"
32	26° 53' 37.60"/82° 14' 25.80"
38	26° 52' 50.96"/82° 14' 56.61"
54	26° 53' 16.90"/82° 14' 31.80"
55	26° 53' 15.20"/82° 14' 32.20"
56	26° 53' 13.50"/82° 14' 31.90"
57	26° 53' 11.90"/82° 14' 31.90"
58	26° 53' 16.80"/82° 14' 29.00"
59	26° 53' 15.20"/82° 14' 29.10"
60	26° 53' 13.40"/82° 14' 29.10"
61	26° 53' 11.90"/82° 14' 29.00"
62	26° 53' 27.50"/82° 14' 31.40"
63	26° 53' 36.37"/82° 14' 25.59"
65	26° 53' 16.30"/82° 14' 41.50"
66	26° 53' 11.40"/82° 14' 30.50"

67	26° 53' 20.45"/82° 14' 30.52"
68	26° 53' 46.58"/82° 14' 20.30"
69	26° 53' 50.59"/82° 14' 11.10"



**Location Map**  
**Gasparilla Island Water Association, Inc.**  
**WUP No. 20 000718.012**



**Legend**

- DIDs
- WJWP Boundary
- 2010 Natural Color Imagery

**CHARLOTTE COUNTY**

**Southwest Florida**  
*Water Management District*

**STANDARD CONDITIONS:**

The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit A and made a part hereof.

**SPECIAL CONDITIONS:**

1. All reports and data required by condition(s) of the permit shall be submitted to the District according to the due date(s) contained in the specific condition. If the condition specifies that a District-supplied form is to be used, the Permittee should use that form in order for their submission to be acknowledged in a timely manner. The only alternative to this requirement is to use the District Permit Information Center ([www.swfwmd.state.fl.us/permits/epermitting/](http://www.swfwmd.state.fl.us/permits/epermitting/)) to submit data, plans or reports online. There are instructions at the District website on how to register to set up an account to do so. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal.

All mailed reports and data are to be sent to:  
Southwest Florida Water Management District  
Sarasota Regulation Department, Water Use Regulation  
6750 Fruitville Road  
Sarasota, Florida 34240-9711

Submission of plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report, such as conservation plans, environmental analyses, aquifer test results, per capita annual reports, etc. are required.

Submission of data: Unless otherwise indicated in the special condition, an original (no copies) is required for data submittals such as crop report forms, meter readings and/or pumpage, rainfall, water level evapotranspiration, or water quality data.

(499)

2. The Permittee shall construct the proposed wells according to the surface diameter and casing depth specifications below. The casing shall be continuous from land surface to the minimum depth stated and is specified to prevent the unauthorized interchange of water between different water bearing zones. The total depth listed below is an estimate, based on best available information, of the depth at which high producing zones are encountered and which poor water quality should not be encountered. However, since this well is located in an area where water quality can be poor, it is the Permittee's responsibility to have the water in the well sampled during well construction before reaching the maximum total depth stated below. Such sampling is necessary to ensure that the well does not encounter water of a quality that cannot be utilized by the Permittee, and to ensure that withdrawals from the well will not cause salt-water intrusion. All depths given are in feet below land surface. For Well Construction requirements see Exhibit B, Well Construction Instructions, attached to and made part to this permit.

District ID No. 68 , Permittee ID No. DW8 having a surface diameter of 12 inches, with a minimum casing depth of 230 feet, drilled to a maximum total depth of 375 feet.

District ID No. 69 , Permittee ID No. DW9 having a surface diameter of 12 inches, with a minimum casing depth of 230 feet, drilled to a maximum total depth of 375 feet.

(202)

3. The average day, peak monthly, and maximum daily, if applicable, quantities for District ID No(s). 38, 62, 63, 65, 66, 67, 68 and 69, Permittee ID No(s). DW1, DW3R, DW4R, DW2R, DW6, DW7, DW8 and DW9, shown in the production withdrawal table are estimates based projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to the quantities shown in Table 7-1 of the Water Use Permit application supporting documentation submitted to the District on April 27, 2011, so long as adverse environmental impacts do not result and the Permittee complies with all other conditions of this Permit. In all cases, the total average annual daily withdrawal, the total peak

monthly daily withdrawal are limited to the quantities set forth in Table 7-1.(221)

4. The District reserves the right to set chloride concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Permittee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Permittee shall take appropriate action to reduce concentrations to below those set for the particular well. If the District determines that long-term upward trends or other significant water quality changes are occurring, the District may reconsider the quantities permitted.(276)
5. The Permittee shall investigate alleged loss of reliable access to legal, existing withdrawal of ground water, damage to the ground water wells, or to pumps used to access legal, existing withdrawal of water within 800 feet of any withdrawal point that may have been caused by the Permittee's ground water withdrawals. Instructions for the complaint handling and possible mitigation procedure are given in Exhibit B, Well Complaint Instructions, attached to and made part of this permit. (443)
6. The Permittee shall submit an Annual Wellfield Report as described in the WUP application supporting documentation **dated June 11, 2011** that is a comprehensive but concise assessment of the water resources of the wellfield area based on the subject areas listed below. This report shall concisely summarize the elements listed below, with emphasis on the interactions between these elements, where appropriate. Data sources shall be referenced, but no raw data shall be included in the report. Only essential text, graphs, and tables should be included in the report. Two identical copies (colors replicated) of the report and required documentation shall be submitted to the **Sarasota Service Office** Regulation Department and one black and white copy shall be submitted to the Permit Data Section, Performance Management Office in Brooksville by **April 1** of each year. The report shall cover all activities and conditions pertaining to **wellfields** and service area for the preceding water year (October 1 to September 30). The specific elements of this report are listed below:

#### **Hydrologic Analyses**

Statistical trend analysis, such as double-mass curve analysis, multiple linear regression, time series analysis, and factor analysis shall be performed for the annual reporting period and the period of record to analyze the interactions of rainfall and pumpage on changes in the potentiometric surface within and adjacent to the wellfield, water quality, water levels, wetlands, or stream flow. A brief summary of any recommended changes to the monitoring requirements shall be provided noting that some changes may necessitate a modification of the permit.

#### **Wellfield Operation**

A brief overview of wellfield operations including withdrawal point rotation within the wellfield for the previous 12 months shall include discussion of wells used most often, and wells used less often, and why their routine use was altered, future changes or modifications to the wellfield rotation plan due to the yield from the various wells, future annexation sites, potential future production well sites, etc. Any proposed production or monitor wells that were completed, wells retired and their current status, or wells converted from other uses to public supply use since the last Annual Wellfield Report will be noted.

#### **Water Quality Monitoring**

Water quality sampling collected as a condition of this permit shall be analyzed and summarized into graphs and statistical analysis for the annual reporting period and related to the historical water quality sampling results as well as to pumpage. The report shall delineate areas of concern with respect to water quality degradation, horizontal or vertical movement in the fresh water/saltwater interface, or other trends which have occurred. Changes in water quality shall be discussed.

#### **Water Level Monitoring**

Water levels collected as a condition of this permit shall be analyzed, summarized into graphs and statistical analysis for the annual reporting period, and related to pumpage as well as to historic water levels. The report should delineate any areas of concern with respect to water levels within the aquifers monitored, changes in sampling locations, number of wells included in the program, etc., or any other information which may be deemed appropriate in order to protect the resource.

#### **Capital Improvement Program Status**

A summary of completed water supply system improvements shall be provided. In addition, an update to any documented system weaknesses or anticipated system improvements shall be described.

### **Water Treatment Efficiency**

A description of efforts to improve water treatment efficiency shall be included. This shall include good faith efforts undertaken in its infrastructure planning and implementation efforts. Opportunities during the prior year to replace water treatment-related infrastructure, including items such as change-outs to pressure vessels, piping, racks (skids), and treatment membrane elements shall be discussed.

### **Investigation of Complaints**

A summary of the investigations of withdrawal-related complaints and mitigation activities related to the impacts shall be provided. This summary shall include:

1. Number and type of complaints,
2. Number and type of mitigation activities,
3. Number and type of complaints which did not require mitigation activity,
4. Total cost of all mitigation activity, and
5. Delineation of areas of concern with respect to legal existing use with respect to any water availability or water quality trends identified.

### **Domestic Water Supply Monitoring**

Domestic water quality monitoring required as a condition of this permit shall be summarized for the annual reporting period. The report should delineate areas of concern with respect to any water quality trends identified, any changes with respect to the number or location of wells included within the program, or other information which may be deemed appropriate in order to protect the availability and quality of the resource for domestic use.

### **Sinkhole Investigation**

The Permittee shall catalog development of sinkholes or changes to existing sinkholes which occur **within 800 feet from the property boundaries contained in this permit**. The report shall include descriptions of the investigation and any mitigation actions undertaken by the Permittee or a note that the county conducted the sinkhole investigation.

### **Wellfield Management Updates**

The Permittee shall summarize the development, implementation, and events that may affect the approved wellfield management plan over the previous reporting period. If additional information became available that necessitates a change to the plan, the Permittee shall submit an application to modify the permit to effect the changes.

(524)

7. Any wells not in use, and in which pumping equipment is not installed shall be capped or valved in a water tight manner in accordance with Chapter 62-532.500(3)(a)(4), F.A.C.(568)
8. The Permittee shall submit a copy of the well completion reports to the District's Permit Data Section, Performance Management Office, within 30 days of each well completion.(583)
9. Beginning January 1, 2012, the Permittee shall comply with the following requirements:
  - A. Customer billing period usage shall be placed on each utility-metered, customer's bill.
  - B. Meters shall be read and customers shall be billed no less frequently than bi-monthly.
  - C. The following information, as applicable to the customer, shall be provided at least once each calendar year and a summary of the provisions shall be provided to the District annually as described in Section D, below. The information shall be provided by postal mailings, bill inserts, online notices, on the bill or by other means. If billing units are not in gallons, a means to convert the units to gallons must be provided.
    1. To each utility-metered customer in each customer class - Information describing the rate structure and shall include any applicable:
      - a. Fixed and variable charges,
      - b. Minimum charges and the quantity of water covered by such charges,
      - c. Price block quantity thresholds and prices,
      - d. Seasonal rate information and the months to which they apply, and
      - e. Usage surcharges
    2. To each utility-metered single-family residential customer - Information that the customer can use to compare its water use relative to other single-family customers or to estimate an efficient use and that shall include one or more of the following:

a. The average or median single-family residential customer billing period water use calculated over the most recent three year period, or the most recent two year period if a three year period is not available to the utility. Data by billing period is preferred but not required.

b. A means to calculate an efficient billing period use based on the customer's characteristics, or

c. A means to calculate an efficient billing period use based on the service area's characteristics.

D. Annual Report: The following information shall be submitted to the District annually by October 1 of each year of the permit term to demonstrate compliance with the requirements above. The information shall be current as of the October 1 submittal date.

1. Description of the current water rate structure (rate ordinance or tariff sheet) for potable and non-potable water.

2. Description of the current customer billing and meter reading practices and any proposed changes to these practices (including a copy of a bill per A above).

3. Description of the means the permittee uses to make their metered customers aware of rate structures, and how the permittee provides information their metered single-family residential customers can use to compare their water use relative to other single-family customers or estimate an efficient use (see C 1 & 2 above).

(592)

10. This Permit is located within the Southern Water Use Caution Area (SWUCA). Pursuant to Section 373.0421, Florida Statutes, the SWUCA is subject to a minimum flows and levels recovery strategy, which became effective on January 1, 2007. The Governing Board may amend the recovery strategy, including amending applicable water use permitting rules based on an annual assessment of water resource criteria, cumulative water withdrawal impacts, and on a recurring five-year evaluation of the status of the recovery strategy up to the year 2025 as described in Chapter 40D-80, Florida Administrative Code. This Permit is subject to modification to comply with new rules.(652)
11. The Permittee shall maintain a water conserving rate structure for the duration of the permit term. Any changes to the water conserving rate structure described in the application shall be described in detail as a component of the next Annual Report on Water Rate, Billing and Meter Reading Practices of the year following the change.(659)
12. The Permittee shall submit a "Water Use Annual Report" to the District by April 1 of each year on their water use during the preceding calendar year using the form, "Public Supply Water Use Annual Report Form" (Form No. LEG-R.047.00 (09/09)), referred to in this condition as "the Form," and all required attachments and documentation. The Permittee shall adhere to the "Instructions for Completion of the Water Use Annual Report" attached to and made part of this condition in Exhibit B. The Form addresses the following components in separate sections.

#### Per Capita Use Rate

A per capita rate for the previous calendar year will be calculated as provided in Part A of the Form using Part C of the Form to determine Significant Use deduction that may apply. Permittees that cannot achieve a per capita rate of 150 gpd according to the time frames included in the "Instructions for Completion of the Water Use Annual Report," shall include a report on why this rate was not achieved, measures taken to comply with this requirement, and a plan to bring the permit into compliance.

#### Residential Use

Residential use shall be reported in the categories specified in Part B of the Form, and the methodology used to determine the number of dwelling units by type and their quantities used shall be documented in an attachment.

#### Non-Residential Use

Non-residential use quantities provided for use in a community but that are not directly associated with places of residence, as well as the total water losses that occur between the point of output of the treatment plant and accountable end users, shall be reported in Part B of the Form.

#### Water Conservation

In an attachment to the Form, the Permittee shall describe the following:

1. Description of any ongoing audit program of the water treatment plant and distribution systems

to address reductions in water losses.

2. An update of the water conservation plan that describes and quantifies the effectiveness of measures currently in practice, any additional measures proposed to be implemented, the scheduled implementation dates, and an estimate of anticipated water savings for each additional measure.

3. A description of the Permittees implementation of water-efficient landscape and irrigation codes or ordinances, public information and education programs, water conservation incentive programs, identification of which measures and programs, if any, were derived from the Conserve Florida Water Conservation Guide, and provide the projected costs of the measures and programs and the projected water savings.

#### Water Audit

If the current water loss rate is greater than 10% of the total distribution quantities, a water audit as described in the "Instructions for Completion of the Water Use Annual Report" shall be conducted and completed by the following July 1, with the results submitted by the following October 1. Indicate on Part A of the Form whether the water audit was done, will be done, or is not applicable.

#### Alternative Water Supplied Other Than Reclaimed Water

If the Permittee provides Alternative Water Supplies other than reclaimed water (e.g., stormwater not treated for potable use) to customers, the information required on Part D of the Form shall be submitted along with an attached map depicting the areas of current Alternative Water Use service and areas that are projected to be added within the next year.

#### Suppliers of Reclaimed Water

1. Permittees having a wastewater treatment facility with an annual average design capacity equal to or greater than 100,000 gpd:

The Permittee shall submit the "SWFWMD Annual Reclaimed Water Supplier Report" on quantities of reclaimed water that was provided to customers during the previous fiscal year (October 1 to September 30). The report shall be submitted in Excel format on the Compact Disk, Form No. LEG-R.026.00 (05/09), that will be provided annually to them by the District. A map depicting the area of reclaimed water service that includes any areas projected to be added within the next year, shall be submitted with this report.

2. Permittees that have a wastewater treatment facility with an annual average design capacity less than 100,000 gpd:

a. The Permittee has the option to submit the "SWFWMD Annual Reclaimed Water Supplier Report," Form No. LEG-R.026.00, as described in sub-part (1) above, or

b. Provide information on reclaimed water supplied to customers on Part E of the Form as described in the "Instructions for Completion of the Water Use Annual Report".

#### Updated Service Area Map

If there have been changes to the service area since the previous reporting period, the Permittee shall update the service area using the map that is maintained in the District's Mapping and GIS system. (660)

13. The following withdrawal facilities shall continue to be maintained and operated with existing, non-resettable, totalizing flow meter(s) or other measuring device(s) as approved by the Regulation Department Director: District ID No(s). 1, 9, 17, 25, 33, 38, 54, 62, 63, 65, 66 and 67 Permittee ID No(s). Wellfield 1, Wellfield 2, Wellfield 3, Wellfield 4, Charlotte Co. PR, DW-1, Wellfield 5, DW-3R, DW-4R DW-2R, DW-6 and DW-7. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit. The District understands that withdrawal and meter reports for the surficial aquifer wellfields includes all of the individual wells and the that the individual wells are not required to be metered.(719)
14. Water quality samples from the monitor sites listed below shall be collected and analyzed for the parameter(s) specified at the frequency indicated. For sampling, analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part to this permit. Existing **District ID No. 41/Permittee ID No. DW4**, for chloride, sulfate and TDS, on a monthly basis, with first analyzed sample due November 10, 2011. Existing **District ID No. 50/Permittee ID No. DM1**, for chloride, sulfate and TDS, on a monthly basis, with first analyzed sample due November 10, 2011. Existing **District ID No. 51/Permittee ID No. SM1**, for chloride, sulfate and TDS, on a monthly basis,

with first analyzed sample due November 10, 2011.

(750)

15. This permit was issued annual average quantities based on a projected allowable per capita rate of 150 gpd for a projected functional population of 5,805 in 2021. The Permittee shall reduce their actual compliance per capita rate to 164 gpd by 2014, as reported in the Water Use Annual Report submitted April 1, 2015. The Permittee shall achieve an actual compliance per capita of 150 gpd in 2019, as reported in the Water Use Annual Report submitted April 1, 2020.(66)
16. The Permittee shall continue to maintain the monitor well(s) or piezometer(s) listed below, monitor water levels, and report them to the District at the frequency listed below. Water levels shall be recorded relative to the National Geodetic Vertical Datum 1929 and to the maximum extent possible, recorded on a regular schedule: same time each day, same day each week, same week each month as appropriate to the frequency noted. The readings shall be reported online via the WUP Portal at the District website ([www.watermatters.org](http://www.watermatters.org)) or mailed in hardcopy on District-provided forms to the Permit Data Section, Performance Management Office on or before the tenth day of the following month. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.  
Existing **District ID No. 41/Permittee ID No. DW4**, to monitor water levels on a monthly basis.  
Existing **District ID No. 50/Permittee ID No. DMI**, to monitor water levels on a monthly basis.  
Existing **District ID No. 51/Permittee ID No. SMI**, to monitor water levels on a monthly basis.  
(756)
17. Water quality samples from the withdrawal points listed below shall be collected after pumping the withdrawal point at its normal rate for a pumping time specified below, or to a constant temperature, pH, and conductivity. The frequency of sampling per water quality parameter is listed in the table according to the withdrawal point. The recording and reporting shall begin according to the first sample date for existing wells and shall begin within 90 days of completion of any proposed wells. Samples shall be collected whether or not the well is being used unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form or in the space for comments in the WUP Portal for data submissions. For sampling, analysis and submittal requirements see Exhibit B, Water Quality Sampling Instructions, attached to and made part of this permit.

Existing **District ID No. 1/Permittee ID No. 1A** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 9/Permittee ID No. 2A** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 17 /Permittee ID No. 3A** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 25 / Permittee ID No. 4A** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 38 / Permittee ID No. DW1** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 54 / Permittee ID No. 5A** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 62 / Permittee ID No. DW3R** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 65 / Permittee ID No. DW2R** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

Existing **District ID No. 66 / Permittee ID No. DW6** for chloride, sulfate and TDS, after a minimum pumping time of 15 minutes, on a monthly basis, with first sample due date of November 10, 2011.

(752)

18. Permittees having their own wastewater treatment plant that generate at least advanced-secondary treated effluent (high-level disinfection, as described in Rule 62-600.440(5), F.A.C.) to the minimum FDEP requirements for public access reuse shall respond in a timely manner to inquiries about availability from water use permit applicants for water uses where such reclaimed water is appropriate.

If reclaimed water is or will be available to that permit applicant within the next six years, the Permittees shall provide a cost estimate for connection to the applicant.(674)

19. The following existing standby withdrawal facilities shall continue to be metered: District ID No(s). 38, Permittee ID No(s). DW1. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit.(722)
20. This permit shall be modified if an additional source of water is provided for public supply use from a separate entity. This includes additional Alternative Water Supply quantities and irrigation water for lawn/landscape and common areas. The Permittee shall notify the District of the additional water source and submit an application to modify the permit to acknowledge receipt.(68)
21. The following proposed withdrawal facilities shall be metered within 90 days of completion of construction of the facilities: District ID No(s). 68 and 69, Permittee ID No(s). DW8 and DW9. Meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with instructions in Exhibit B, Metering Instructions, attached to and made part of this permit.(718)



40D-2  
Exhibit A

**WATER USE PERMIT STANDARD CONDITIONS**

1. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
2. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.
3. The District shall collect water samples from any withdrawal point listed in the permit or shall require the permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.
4. A District identification tag shall be prominently displayed at each withdrawal point that is required by the District to be metered or for which withdrawal quantities are required to be reported to the District, by permanently affixing the tag to the withdrawal facility.
5. The Permittee shall mitigate to the satisfaction of the District any adverse impact to environmental features or off-site land uses as a result of withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include the following:
  - A. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
  - B. Damage to crops and other vegetation causing financial harm to the owner;  
and
  - C. Damage to the habitat of endangered or threatened species.
6. The Permittee shall mitigate, to the satisfaction of the District, any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include the following:
  - A. A reduction in water levels which impairs the ability of a well to produce water;
  - B. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
  - C. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of an aquifer or water body.
7. Notwithstanding the provisions of Rule 40D-1.6105, F.A.C., persons who wish to continue the water use permitted herein and who have acquired ownership or legal control of permitted water withdrawal facilities or the land on which the facilities are located must apply to transfer the permit to themselves within 45 days of acquiring ownership or legal control of the water withdrawal facilities or the land.
8. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, Florida Statutes (F.S.), Chapter 40D, Florida Administrative Code (F.A.C.), or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, F.A.C., following notice and hearing.
9. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.
10. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below the applicable minimum water level established in Chapter 40D-8, F.A.C., or rates of flow in streams fall below the minimum levels established in Chapter 40D-8, F.A.C.
11. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.
12. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.

13. The Permittee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.
14. The District may establish special regulations for Water-Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.
15. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, F.A.C., the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.
16. This permit is issued based on information provided by the Permittee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of the permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.
17. Within the SWUCA, if the District determines that significant water quantity or quality changes, impacts to existing legal uses, or adverse environmental impacts are occurring, the permittee shall be provided with a statement of facts upon which the District based its determination and an opportunity to address the change or impact prior to a reconsideration by the Board of the quantities permitted or other conditions of the permit.
18. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.

Exhibit B  
Instructions

METERING INSTRUCTIONS

The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter reading(s) shall be reported to the Permit Data Section, Performance Management Office on or before the tenth day of the following month. The Permittee shall submit meter readings online using the Permit Information Center at [www.swfwmd.state.fl.us/permits/epermitting/](http://www.swfwmd.state.fl.us/permits/epermitting/) or on District supplied scanning forms unless another arrangement for submission of this data has been approved by the District. Submission of such data by any other unauthorized form or mechanism may result in loss of data and subsequent delinquency notifications. Call the Performance Management Office in Brooksville (352-796-7211) if difficulty is encountered.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

1. The meter(s) shall be non-resettable, totalizing flow meter(s) that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring device(s) are proposed, prior to installation, approval shall be obtained in writing from the Regulation Department Director.
2. The Permittee shall report non-use on all metered standby withdrawal facilities on the scanning form or approved alternative reporting method.
3. If a metered withdrawal facility is not used during any given month, the meter report shall be submitted to the District indicating the same meter reading as was submitted the previous month.
4. The flow meter(s) or other approved device(s) shall have and maintain an accuracy within five percent of the actual flow as installed.
5. Meter accuracy testing requirements:
  - A. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.
  - B. The meter shall be tested for accuracy on-site, as installed according to the Flow Meter Accuracy Test Instructions in this Exhibit B, every five years in the assigned month for the county, beginning from the date of its installation for new meters or from the date of initial issuance of this permit containing the metering condition with an accuracy test requirement for existing meters.
  - C. The testing frequency will be decreased if the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted.
  - D. The test will be accepted by the District only if performed by a person knowledgeable in the testing equipment used.
  - E. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days, the Permittee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.
6. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line.
7. Broken or malfunctioning meter:
  - A. If the meter or other flow measuring device malfunctions or breaks, the Permittee shall notify the District within 15 days of discovering the malfunction or breakage.
  - B. The meter must be replaced with a repaired or new meter, subject to the same specifications given above, within 30 days of the discovery.
  - C. If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, a fully functioning meter shall not be off the withdrawal point for more than 60 consecutive days.

8. While the meter is not functioning correctly, the Permittee shall keep track of the total amount of time the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on District scanning forms and noted as estimated per instructions on the form. If the data is submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.
9. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The permittee shall notify the District of the replacement with the first submittal of meter readings from the new meter.

#### FLOW METER ACCURACY TEST INSTRUCTIONS

1. **Accuracy Test Due Date** - The Permittee is to schedule their accuracy test according to the following schedule:
  - A. For existing metered withdrawal points, add five years to the previous test year, and make the test in the month assigned to your county.
  - B. For withdrawal points for which metering is added for the first time, the test is to be scheduled five years from the issue year in the month assigned to your county.
  - C. For proposed withdrawal points, the test date is five years from the completion date of the withdrawal point in the month assigned to your county.
  - D. For the Permittee's convenience, if there are multiple due-years for meter accuracy testing because of the timing of the installation and/or previous accuracy tests of meters, the Permittee can submit a request in writing to the Permitting Department Director for one specific year to be assigned as the due date year for meter testing. Permittees with many meters to test may also request the tests to be grouped into one year or spread out evenly over two to three years.
  - E. The months for accuracy testing of meters are assigned by county. The Permittee is requested but not required to have their testing done in the month assigned to their county. This is to have sufficient District staff available for assistance.

January	Hillsborough
February	Manatee, Pasco
March	Polk (for odd numbered permits)*
April	Polk (for even numbered permits)*
May	Highlands
June	Hardee, Charlotte
July	None or Special Request
August	None or Special Request
September	Desoto, Sarasota
October	Citrus, Levy, Lake
November	Hernando, Sumter, Marion
December	Pinellas

\* The permittee may request their multiple permits be tested in the same month.

2. **Accuracy Test Requirements:** The Permittee shall test the accuracy of flow meters on permitted withdrawal points as follows:
  - A. The equipment water temperature shall be set to 72 degrees Fahrenheit for ground water, and to the measured water temperature for other water sources.
  - B. A minimum of two separate timed tests shall be performed for each meter. Each timed test shall consist of measuring flow using the test meter and the installed meter for a minimum of four minutes duration. If the two tests do not yield consistent results, additional tests shall be performed for a minimum of eight minutes or longer per test until consistent results are obtained.
  - C. If the installed meter has a rate of flow, or large multiplier that does not allow for consistent results to be obtained with four- or eight-minute tests, the duration of the test shall be increased as necessary to obtain accurate and consistent results with respect to the type of flow meter installed.
  - D. The results of two consistent tests shall be averaged, and the result will be considered the test result for the meter being tested. This result shall be expressed as a plus or minus percent (rounded to the nearest one-tenth percent) accuracy of the installed meter relative to the test meter. The percent accuracy indicates the deviation (if any), of the meter being tested from the test meter.

3. **Accuracy Test Report:** The Permittees shall demonstrate that the results of the meter test(s) are accurate by submitting the following information within 30 days of the test:
- A. A completed Flow Meter Accuracy Verification Form, Form LEG-R.014.00 (07/08) for each flow meter tested. This form can be obtained from the District's website ([www.watermatters.org](http://www.watermatters.org)) under "ePermitting and Rules" for Water Use Permits.
  - B. A printout of data that was input into the test equipment, if the test equipment is capable of creating such a printout;
  - C. A statement attesting that the manufacturer of the test equipment, or an entity approved or authorized by the manufacturer, has trained the operator to use the specific model test equipment used for testing;
  - D. The date of the test equipment's most recent calibration that demonstrates that it was calibrated within the previous twelve months, and the test lab's National Institute of Standards and Testing (N.I.S.T.) traceability reference number.
  - E. A diagram showing the precise location on the pipe where the testing equipment was mounted shall be supplied with the form. This diagram shall also show the pump, installed meter, the configuration (with all valves, tees, elbows, and any other possible flow disturbing devices) that exists between the pump and the test location clearly noted with measurements. If flow straightening vanes are utilized, their location(s) shall also be included in the diagram.
  - F. A picture of the test location, including the pump, installed flow meter, and the measuring device, or for sites where the picture does not include all of the items listed above, a picture of the test site with a notation of distances to these items. with a notation of distances to these items.

#### WATER QUALITY INSTRUCTIONS

The Permittee shall perform water quality sampling, analysis and reporting as follows:

1. The sampling method(s) from both monitor wells and surface water bodies shall be designed to collect water samples that are chemically representative of the zone of the aquifer or the depth or area of the water body.
2. Water quality samples from monitor wells shall be taken after pumping the well for the minimum time specified (if specified) or after the water reaches a constant temperature, pH, and conductivity.
3. The first submittal to the District shall include a copy of the laboratory's analytical and chain of custody procedures. If the laboratory used by the Permittee is changed, the first submittal of data analyzed at the new laboratory shall include a copy of the laboratory's analytical and chain of custody procedures .
4. Any variance in sampling and/or analytical methods shall have prior approval of the Regulation Department Director, Resource Regulation.
5. The Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis.
6. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories."
7. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).
8. Unless other reporting arrangements have been approved by the Regulation Department Director, Resource Regulation, reports of the analyses shall be submitted to the Permit Data Section, Strategic Programs Office Department, online at the District WUP Portal or mailed in hardcopy on or before the tenth day of the following month. The online submittal shall include a scanned upload of the original laboratory report. The hardcopy submittal shall be a copy of the laboratory's analysis form. If for some reason, a sample cannot be taken when required, the Permittee shall indicate so and give the reason in the space for comments at the WUP Portal or shall submit the reason in writing on the regular due date.
9. Water quality samples shall be collected based on the following timetable for the frequency listed in the special condition:
10. The parameters and frequency of sampling and analysis may be modified by the District as necessary to ensure the protection of the resource.

<u>Frequency</u>	<u>Timetable</u>
Weekly	Same day of each week
Quarterly	Same week of <b>February, May, August, November</b>
Semi-annually	Same week of <b>May, November</b>
Monthly	Same week of each month

#### WELL COMPLAINT INSTRUCTIONS

The permittee shall adhere to the following process for handling water resource, surface or ground water withdrawal point impact, dewatering complaints, or discharge/seepage of water from their property:

1. Within 48 hours of a complaint received by the Permittee related to their withdrawal or use of water or dewatering activity, the Permittee shall notify the District, perform a preliminary investigation to determine whether the Permittee's pumpage, dewatering activity, or discharge/seepage from their property may have caused the problem.
2. If this preliminary assessment indicates that the Permittee may be responsible, the Permittee shall, within 72 hours of complaint receipt, supply the complainant with any water necessary for health and safety purposes, such as drinking water.
3. If the resulting investigation determines that the Permittee was not responsible for the well problem, the Permittee shall document the reasons for this determination.
4. If the detailed investigation confirms that the complainant's problem was caused by the Permittee's pumpage, dewatering, or discharge or water impoundment activities:
  - A. The complainant's problem shall be fully corrected within 15 days of complaint receipt.
  - B. Impacts to wells: Full correction shall be restoration of the complainant's well to pre-impact condition or better, including the aspects of pressure levels, discharge quantity, and water quality. This detailed investigation shall include, but not be limited to, an analysis of water levels and pumpage impacts at the time of the complainant's problem, well and pump characteristics including depths, capacity, pump curves, and irrigation system requirements.
5. The Permittee shall file a report of the complaint, the findings of facts, appropriate technical data, and any mitigating action taken or to be taken by the Permittee, to the Regulation Department Director, Resource Regulation, for review and approval within 20 days of the receipt of any complaint. The report shall include:
  - A. The name and address of each complainant;
  - B. The date and nature of the complaint;
  - C. A summary of the Permittee's investigation;
  - D. A summary of the Permittee's determination, including details of any mitigation activities; and
  - E. Cost of mitigation activity for each complaint.
6. A copy of the report shall be sent to the complainant within 20 days of complaint receipt.

#### WELL CONSTRUCTION INSTRUCTIONS

All wells proposed to be constructed shall be drilled and constructed as specified below:

1. All well casing (including liners and/or pipe) must be sealed to the depth specified in the permit condition.
2. The proposed well(s) shall be constructed of materials that are resistant to degradation of the casing/grout due to interaction with the water of lesser quality. A minimum grout thickness of two (2) inches is required on wells four (4) inches or more in diameter.
3. A minimum of twenty (20) feet overlap and two (2) centralizers is required for Public Supply wells and all wells six (6) inches or more in diameter.
4. Any variation from estimated, maximum or minimum total depths; maximum or minimum casing depths; well location or casing diameter specified in the condition requires advanced approval by the Regulation Department Director, Resource Regulation, or the Supervisor of the Well Construction Permitting Section in Brooksville.
5. The Permittee is notified that a proposal to significantly change any of these well construction specifications may require permit modification if the District determines that such a change would result in significantly greater withdrawal impacts than those considered for this Permit.
6. The finished well casing depth shall not vary from these specifications by greater than ten (10) percent unless

advance approval is granted by the Regulation Department Director, Resource Regulation, or the Well Construction Regulation Manager in Brooksville.

#### ANNUAL REPORT SUBMITTAL INSTRUCTIONS

The "Public Supply Water Use Annual Report Form" (Form No. LEG-R.023.00 (01/09)), is designed to assist the Permittee with the annual report requirements, but the final authority for what must be included in the Water Use Annual Report is in this condition and in these instructions. Two identical copies of the "Public Supply Water Use Annual Report Form" and two identical copies of all required supporting documentation shall be included if submitted in hard copy. "Identical copy" in this instance means that if the original is in color, then all copies shall also be printed in color. If submitted electronically, only one submittal is required; however, any part of the document that is in color shall be scanned in color.

1. **Per Capita Use Rate** - A per capita rate for the previous calendar year will be progressively calculated until a rate of 150 gpd per person or less is determined whether it is the unadjusted per capita, adjusted per capita, or compliance per capita. The calculations shall be performed as shown in Part A of the Form. The Permittee shall refer to and use the definitions and instructions for all components as provided on the Form and in Part B, Chapter 3, Section 3.6 of the "Water Use Permit Information Manual." Permittees that have interconnected service areas and receive an annual average quantity of 100,000 gpd or more from another permittee are to include these quantities as imported quantities. Permittees in the Southern Water Use Caution Area (SWUCA) or the Northern Tampa Bay Water Use Caution Area (NTBWUCA), as it existed prior to October 1, 2007, shall achieve a per capita of 150 gpd or less, and those in these areas that cannot achieve a compliance per capita rate of 150 gpd or less shall include a report on why this rate was not achieved, measures taken to comply with this requirement, and a plan to bring the permit into compliance. Permittees not in a Water Use Caution Area that cannot achieve a compliance per capita rate of 150 gpd or less by December 31, 2019 shall submit this same report in the Annual Report due April 1, 2020.
2. **Residential Use** - Residential water use consists of the indoor and outdoor water uses associated with each category of residential customer (single family units, multi-family units, and mobile homes), including irrigation uses, whether separately metered or not. The Permittee shall document the methodology used to determine the number of dwelling units by type and the quantities used. Estimates of water use based upon meter size will not be accepted. If mobile homes are included in the Permittees multi-family unit category, the information for them does not have to be separated. The information for each category shall include:
  - A. Number of dwelling units per category,
  - B. Number of domestic metered connections per category,
  - C. Number of metered irrigation connections,
  - D. Annual average quantities in gallons per day provided to each category, and
  - E. Percentage of the total residential water use provided apportioned to each category.
3. **Non-Residential Use** - Non-residential use consists of all quantities provided for use in a community not directly associated with places of residence. For each category below, the Permittee shall include annual average gpd provided and percent of total non-residential use quantities provided. For each category 1 through 6 below, the number of metered connections shall be provided. These non-residential use categories are:
  - A. Industrial/commercial uses, including associated lawn and landscape irrigation use,
  - B. Agricultural uses (e.g., irrigation of a nursery),
  - C. Recreation/Aesthetic, for example irrigation (excluding golf courses) of Common Areas, stadiums and school yards,
  - D. Golf course irrigation,
  - E. Fire fighting, system testing and other accounted uses,-
  - F. K-through-12 schools that do not serve any of the service area population, and
  - G. Water Loss as defined as the difference between the output from the treatment plant and accounted residential water use (B above) and the listed non-residential uses in this section.
4. **Water Audit** - The water audit report that is done because water losses are greater than 10% of the total distribution quantities shall include the following items:
  - A. Evaluation of:
    - 1) leakage associated with transmission and distribution mains,
    - 2) overflow and leakage from storage tanks,
    - 3) leakage near service connections,

- 4) illegal connections,
  - 5) description and explanations for excessive distribution line flushing (greater than 1% of the treated water volume delivered to the distribution system) for potability,
  - 6) fire suppression,
  - 7) un-metered system testing,
  - 8) under-registration of meters, and
  - 9) other discrepancies between the metered amount of finished water output from the treatment plant less the metered amounts used for residential and non-residential uses specified in Parts B and C above, and
- B. A schedule for a remedial action-plan to reduce the water losses to below 10%.
5. **Alternative Water Supplied other than Reclaimed Water** - Permittees that provide Alternative Water Supplies other than reclaimed water (e.g., stormwater not treated for potable use) shall include the following on Part D of the Form:
- A. Description of the type of Alternative Water Supply provided,
  - B. County where service is provided,
  - C. Customer name and contact information,
  - D. Customer's Water Use Permit number (if any),
  - E. Customer's meter location latitude and longitude,
  - F. Meter ownership information,
  - G. General customer use category,
  - H. Proposed and actual flows in annual average gallons per day (gpd) per customer,
  - I. Customer cost per 1,000 gallons or flat rate information,
  - J. Delivery mode (e.g., pressurized or non-pressurized),
  - K. Interruptible Service Agreement (Y/N),
  - L. Month/year service began, and
  - M. Totals of monthly quantities supplied.
6. **Suppliers of Reclaimed Water** - Depending upon the treatment capacity of the Permittees wastewater treatment plant, the Permittee shall submit information on reclaimed water supplied as follows:
- A. Permittees having a wastewater treatment facility with an annual average design capacity equal to or greater than 100,000 gpd shall utilize the "SWFWMD Annual Reclaimed Water Supplier Report" in Excel format on the Compact Disk, Form No. LEG-R.026.00 (05/09). The "SWFWMD Annual Reclaimed Water Supplier Report" is described in Section 3.1 of Chapter 3, under the subheading "Reclaimed Water Supplier Report" and is described in detail in Appendix A to Part B, Basis of Review of the "Water Use Permit Information Manual."
  - B. Permittees that have a wastewater treatment facility with an annual average design capacity less than 100,000 gpd can either utilize the "SWFWMD Annual Reclaimed Water Supplier Report," Form No. LEG-R.026.00, as described in sub-part (1) above or provide the following information on Part E of the Form:
    - 1) Bulk customer information:
      - a) Name, address, telephone number,
      - b) WUP number (if any),
      - c) General use category (residential, commercial, recreational, agricultural irrigation, mining),
      - d) Month/year first served,
      - e) Line size,
      - f) Meter information, including the ownership and latitude and longitude location,
      - g) Delivery mode (pressurized, non-pressurized).
    - 2) Monthly flow in gallons per bulk customer.
    - 3) Total gallons per day (gpd) provided for metered residential irrigation.
    - 4) Disposal information:
      - a) Site name and location (latitude and longitude or as a reference to the service area map),
      - b) Contact name and telephone,
      - c) Disposal method, and
      - d) Annual average gpd disposed.



**Ross T. Morton, P.W.S.**

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Authorized Signature

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 40D-2, authorizes the Permittee to withdraw the quantities outlined above, and may require various activities to be performed by the Permittee as described in the permit, including the Special Conditions. The permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.

## Notice of Rights

### ADMINISTRATIVE HEARING

1. You or any person whose substantial interests are or may be affected by the District's action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.
2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of agency action on a consolidated application for an environmental resource permit and use of sovereignty submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.
3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.
4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.
5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District action is not available prior to the filing of a petition for hearing.
6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28.106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at [www.flrules.org](http://www.flrules.org) or at the District's website at [www.WaterMatters.org/permits/rules](http://www.WaterMatters.org/permits/rules).
7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Brooksville headquarters during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 2379 Broad Street, Brooksville, FL 34604-6899. Faxed filings must be transmitted to the District Agency Clerk at (352) 754-6874. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at [www.WaterMatters.org/about](http://www.WaterMatters.org/about).

**JUDICIAL REVIEW**

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by final District action may seek judicial review of the District's final action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law .
2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

Gasparilla Island Water Association, Inc.  
Po Box 310  
Boca Grande, FL 33921-0326

Daniel Acquaviva  
12771 World Plaza Lane, Building 87, Suite 1  
Fort Myers, FL 33907

Bonnie Pringle  
Po Box 310  
Boca Grande, FL 33921

Dawn Barnard  
950 Encore Way  
Naples, FL 34110

Gasparilla Island Water Association, Inc. - Projected Raw Water Needs

Year	Functional Population	Gallons Per Capita	Water Sales	GIWA & Other Known Water Use	Water Loss	Less Reuse Credit	Adjusted Gross Water Use Reported to SWFWMD	Total Water Leaving Treatment Plant**	Raw Water Withdrawals	Imported Water	Treatment Loss	Gross Water Use	Max Day Withdrawal Needs
2009	5839	159	941	97	58	166	930	1096	1332	56	292	1096	1705
2010	5834	142	871	49	41	137	824	961	1229	1	269	961	1573
2011	5832	150	940	57	35	160	872	1032	1286	34	288	1032	1646
2012	5885	162	994	71	40	148	957	1105	1351	65	311	1105	1729
2013	5896	160	949	76	68	151	942	1093	1374	24	305	1093	1759
<b>2014</b>	<b>5910</b>	<b>158</b>	<b>966</b>	<b>70</b>	<b>50</b>	<b>152</b>	<b>934</b>	1086	1350	35	299	1086	1728
2015	5924	157	962	70	50	152	930	1082	1346	35	299	1082	1723
2016	5939	155	952	70	50	152	920	1072	1332	35	295	1072	1705
2017	5953	153	943	70	50	152	911	1063	1321	35	293	1063	1691
2018	5967	152	939	70	50	152	907	1059	1316	35	292	1059	1684
<b>2019</b>	<b>5981</b>	<b>150</b>	<b>929</b>	<b>70</b>	<b>50</b>	<b>152</b>	<b>897</b>	1049	1303	35	289	1049	1668
2020	5996	150	931	70	50	152	899	1051	1305	35	289	1051	1670
2021	6010	150	934	70	50	152	902	1054	1310	35	291	1054	1677
2022	6025	150	936	70	50	152	904	1056	1312	35	291	1056	1679
2023	6039	150	938	70	50	152	906	1058	1315	35	292	1058	1683

2009 - 2013 Actual water sales

2014 Permit milestone - 164 gallons per capita day

2019 Permit Milestone - 150 gallons per capita day

\*\* Water sales, GIWA and other know water use, and water loss.



# Southwest Florida Water Management District

## 2013 Public Supply Annual Report for General and Individual Permits PART A

Please submit water use information for January 1 – December 31, 2013. Completion of this form plus providing the required attachments and documentation is required as a condition on your Water Use Permit. Requirements are given in detail in the Water Use Permit Information Manual, Part B, Chapter 3, Section 3.6.

WUP No(s): 20 000718-012		Reporting period (mo/yr-mo/yr): 01/13-12/13
Issue Date (of the most recent revision of the WUP): 12/08/2011		Contact Phone #: 941-964-2423
Permittee Name: Gasparilla Island Water Association, Inc.		Contact Name: Bonnie Pringle
Address: PO Box 310		County: Charlotte
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/___.	1,374,000 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.	24,000 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.	0 gpd
4	<b>TL</b> <b>Water Treatment Loss</b> (Provide documentation of each type claimed.)	305,000 gpd
5	<b>Gross Water Use: WD + IM – EX – TL</b>	1,093,000 gpd
6	<b>FP</b> <b>Functional Population Served</b> (Supply supporting calculations, see instructions.)	5,896 # people
7	<b>Unadjusted Gross Per Capita = <math>\frac{WD + IM - EX - TL}{FP}</math></b>	185 gpcd
8	<b>SU</b> <b>Significant Uses</b> Provide documentation of deductions as required in the Basis of Review and Attach Part C to summarize significant uses.	0 gpd
9	<b>GC</b> <b>Golf Course Deduction</b> (See definitions for requirements and limitations.)	0 gpd
10	<b>EM</b> <b>Environmental Mitigation</b> if required by the District per your water use permit (attach documentation of quantities used).	0 gpd
11	<b>Adjusted Gross Per Capita = <math>\frac{WD + IM - EX - TL - SU - GC - EM}{FP}</math></b>	185 gpcd
12	<b>ST</b> <b>Stormwater Deduction</b> (See definitions for requirements and limitations.)	0 gpd
13	<b>RW</b> <b>Reclaimed Water Deduction</b> (See definitions for requirements and limitations.)	151,000 gpd
14	<b>Compliance Per Capita = <math>\frac{WD + IM - EX - TL - SU - GC - EM - ST - RW}{FP}</math></b>	160 gpcd
15	<b>Low Persons Per Household Adjusted Population and Compliance Per Capita</b> (See definitions for requirements and limitations.) (Additional supporting calculations must be provided, see instructions.)	# people gpcd
16	<b>Water Rate Structure and Customer Billing Information:</b> Attach a description of your current water rate structure and customer billing information.	<input checked="" type="checkbox"/> Attached
17	<b>Per Capita Noncompliance Report:</b> A report explaining why a utility had a Compliance Per Capita rate greater than 150 gpd. The report shall describe measures currently used and proposed to bring the Compliance Per Capita rate to $\leq$ 150 gpd.	<input checked="" type="checkbox"/> Attached <input type="checkbox"/> N/A
18	<b>Water Audit:</b> Attach a description of any ongoing audit program to address reductions in water losses. If the total water loss rate (reported on Part B) is more than 10 % of the total distribution quantities, a water audit (as described in Section 3.6 of Part B of the Water Use Permit Information Manual) shall be conducted and submitted by the following October 1.	<input type="checkbox"/> Attached <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Will submit results following October 1
19	<b>Service Area Map:</b> If your service area has changed (see instructions), submit a map or file, which shows the current service area as defined in the Basis of Review, Part B, Chapter 2 and complete attached service area information forms.	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Unchanged

# Southwest Florida Water Management District

## 2013 Public Supply Annual Report for General and Individual Permits **PART B**

Please submit water use information for January 1 – December 31, 2013.

<b>WUP No(s):</b> 20 000718-012	<b>Reporting period (mo/yr-mo/yr):</b> 01/13-12/13
<b>Permittee Name:</b> Gasparilla Island Water Association, Inc .	<b>Contact Name:</b> Bonnie Pringle
<b>Address:</b> PO Box 310	<b>County:</b> Charlotte

**SERVICE CATEGORIES:** Quantities to be reported are **annual average gallons per day** (total number of gallons supplied per reporting period, divided by 365 days per year) and are to include both indoor and outdoor use, whether separately metered or not. On a separate sheet, permittees are to document the methodology used to determine the number of dwelling units by type and their quantities used. Estimates of water use based on meter size will not be accepted. When using "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, total dwelling units served from Basis of Review Appendix C, Worksheet A must equal the total units reported below in line 5.

Residential Water Service Category	Number of Dwelling Units	Number of Metered Connections	Annual Average (gpd)	% of Total	Documentation on an Attached Sheet
1. Single Family Dwelling Units	1,505	1,505	655,000	59.93%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Multiple Family Dwelling Units	446	29	36,000	3.29%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Mobile Home Dwelling Units	0	0	0	0.00%	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Residential Irrigation Accounts	N/A	46	109,000	9.97%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Subtotal of Residential Service	1,951	1,580	800,000	73.19%	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Non-Residential Water Service Category</b>		<b>Number of Metered Connections</b>	<b>Annual Average Gallons Per Day</b>	<b>% of Total</b>	
6. Industrial/Commercial Uses		114	149,000	13.63%	
7. Agricultural Uses				0.00%	
8. Recreational/Aesthetic Uses				0.00%	
9. Golf Course Irrigation				0.00%	
10. Fire and Other Accounted Uses			76,000	6.95%	
11. <b>SUBTOTAL</b> (Add items 5 through 10)		1,694	1,025,000	93.78%	
12. Water Loss			68,000	6.22%	
<b>TOTAL</b> (Add items 11 and 12) (= line 5 on Part A)			1,093,000	100.00%	