

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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 (352) 796-7211 or 1 -800-423-1476 (FL only)  
 TDD only: 1-800-231-6103 (FL only)

**WATER USE PERMIT APPLICATION SUPPLEMENTAL FORM  
 RECREATION OR AESTHETIC**

THE INFORMATION REQUESTED IN THIS FORM IS REQUESTED PURSUANT TO CHAPTER 373, FLORIDA STATUTES (F.S.), AND RULES 40D-2.091, 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE. THIS FORM IS TO BE COMPLETED FOR GENERAL OR INDIVIDUAL WATER USE PERMIT APPLICATIONS THAT HAVE A RECREATION OR AESTHETIC COMPONENT TO THE WATER DEMAND .

**PART I. GENERAL**

**APPLICANT:** \_\_\_\_\_

**WUP NUMBER (if any):** \_\_\_\_\_

**PART II. WATER DEMAND**

Various recreational and/or aesthetic activities for which water is commonly requested are listed below. Choose the activities that are the closest to the proposed use. Choose as many as apply and complete only the sections for water uses checked. Indicate the water needs from the primary water source. Do not include repump facilities or standby facility information already given on the WUP application form.

**GOLF COURSES**

Provide information for irrigation demand per withdrawal point that will be used for it on the golf course. If multiple withdrawal points will be used, separate the acreage according to its proposed use or apportion toward the total use. If the golf course has an augmentation-repump setup, only list the augmentation sources. If the withdrawal point is new and does not have a District ID Number, leave that field blank. (Make copies if necessary.)

**Facility Name:** \_\_\_\_\_

	Owner ID Number	Owner ID Number	Owner ID Number	Owner ID Number	Owner ID Number
District ID Number					
Total Irrigated Acres					
Fairways (acres)					
Tees/Greens (acres)					
Putting Practice Areas (acres)					
Driving Ranges (acres)					
Roughs (acres)*					
Irrigation Method					
Soil Type**					
Annual Average Demand (gpd)					
Peak Month Demand (gpd)					

\* **Roughs** – In water use caution areas, water to irrigate roughs (areas outside of standard play areas) is not permitted on a Water Use Permit. If an applicant demonstrates that drought-tolerant landscaping has been utilized in the roughs, the roughs may be irrigated using quantities permitted for the tees, greens, and fairways. The amount of permitted ground or surface water plus alternative water supply applied to the entire golf course shall not exceed reasonable-beneficial quantities for tees, greens and fairways alone.

\*\* **Natural Resource Conservation Service (NRCS) soil type:** You may use the District's soil maps (GIS) which use the NRCS soil names, or contact the NRCS office in your county.

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Annual Average Demand (gpd) \_\_\_\_\_

Peak Month Demand (gpd) \_\_\_\_\_

**GOLF COURSE DEMAND TOTALS:** \_\_\_\_\_

**How did you calculate the annual average and peak month quantities for golf course irrigation?**

- SWFWMD irrigation calculation program, AGMOD. Attach the AGMOD output to this application.
- Other. Attach a document showing the calculations for the quantities.

**Southern Water Use Caution Area (SWUCA)** –Is this a new golf course constructed after January 1, 2003 in the Southern Water Use Caution Area that is associated with a residential development that includes a wastewater treatment plant (WWTP)?

- Yes
- No (Skip to "OTHER IRRIGATION")

If "yes," is the water from the wastewater treatment plant used for irrigation of the golf course?

- Yes
- No

If "no" (water from wastewater treatment plant is *not* used for irrigation), what is the scheduled date that the WWTP will be providing reclaimed water at full capacity? \_\_\_\_\_ (mm/yyyy)

What is the schedule for converting the irrigation demand supply to reclaimed water? (Provide dates for incremental supply of reclaimed water through the permit term.)

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**OTHER IRRIGATION NEEDS**

Check all that describe proposed irrigation needs:

- Residential yards
- Cemetery
- Botanical specimen gardens
- Sports playing fields (other than golf)
- Common areas\*
- Theme park grounds
- Zoo/animal attraction grounds
- Facility grounds associated with sports, arts or other recreational activities,

\*Common areas are areas that are designated for common use or enjoyment including entranceways, parking lots and buildings, irrigated areas within roadway right-of ways (e.g., road and sidewalk medians), open spaces, community areas (such as community club house, tennis courts, playgrounds, etc.), and public parks.

Provide information for all withdrawal points that will provide irrigation quantities. (Make copies if more than five withdrawal points are used.)

**Facility Name:** \_\_\_\_\_

	Owner ID Number	Owner ID Number	Owner ID Number	Owner ID Number
District ID Number				
Acres Irrigated				
Irrigation Need (from list above)				
Irrigation Method				
NRCS Soil Type				
Annual Average Demand (gpd)				
Peak Month Demand (gpd)				

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Annual Average Demand (gpd) \_\_\_\_\_

Peak Month Demand (gpd) \_\_\_\_\_

**OTHER IRRIGATION TOTALS:** \_\_\_\_\_

**How did you calculate the annual average and peak month quantities for "other" irrigation needs?**

- SWFWMD irrigation calculation program, AGMOD. Attach the AGMOD output to this application.
- Other. Attach a document showing the calculations for the quantities.

**WATER-BASED RECREATION**

Provide the water demand per withdrawal point for park uses. Typical uses are pool/pond fill, pool/pond makeup (losses due to use and evaporation), flumes and rides. **Note:** water required for aesthetics, cleaning and maintenance and for potable needs of employees and guests are addressed later in this form. If a withdrawal point does not have a District ID Number, leave that field blank.

**Facility Name:** \_\_\_\_\_

Use	District ID Number	Owner ID Number	Annual Average Demand (gpd)	Peak Month Demand (gpd)

**WATER-BASED RECREATION TOTALS:** \_\_\_\_\_

**Describe any seasonal variations, such as winter closures:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Provide calculations for the water use(s) listed in the table above on an attachment.**  Attached

**ZOO, AQUARIUM, ANIMAL ATTRACTIONS**

Provide the water demand per withdrawal point for uses of the zoo, aquarium or animal attraction, including any for animal racetracks. Uses include aquatic habitat fill (tanks or ponds), habitat water change, habitat water replacement (evaporative losses) and animal care and watering. **Note:** water required for aesthetics, cleaning and maintenance and for potable needs of employees and guests are addressed later in this form. If a withdrawal point does not have a District ID Number, leave that field blank.

**Facility Name:** \_\_\_\_\_

Use	District ID Number	Owner ID Number	Annual Average Demand (gpd)	Peak Month Demand (gpd)

**ZOO, AQUARIUM OR ANIMAL ATTRACTION TOTALS:** \_\_\_\_\_

**Provide calculations for the water demand listed in the table above on an attachment.**  Attached

**WUP Recreation or Aesthetic Supplemental Form**

**GENERAL NON-IRRIGATION**

Provide water demands for other recreation/aesthetic uses, such as water needed for fountains, decorative water features, cleaning and maintenance, air conditioning/cooling, and for maintaining water levels in decorative ponds/lakes associated with theme parks, water parks, zoos, etc. Indicate the annual average and peak month demands for each.

Use	District ID Number	Owner ID Number	Annual Average Demand (gpd)	Peak Month Demand (gpd)

**GENERAL NON-IRRIGATION TOTALS:** \_\_\_\_\_

Provide calculations for the water demands listed in the table above on an attachment.  Attached

**AESTHETIC AUGMENTATION OF LAKES AND PONDS**

Aesthetic augmentation is the creation or filling of lakes and ponds for appearances only, and is prohibited in the SWUCA and NTBWUCA unless it has been continually permitted prior to adoption of the rules governing these water use caution areas. Contact the service department that administers your water use or review the pre-application checklist for more information.

Provide information on water demand for aesthetic augmentation of lakes and ponds that are not associated with theme parks, water parks, zoos, etc. such as those in residential areas (single family, multi-family or mobile homes) as well as information on the water body to be augmented. Environmental augmentation (that which is required by the District to mitigate withdrawal-related impacts) is not included in this category.

Provide the following information on the water body to be augmented per withdrawal facility:

Water Body Name	Acres	District ID Number	Owner ID Number	Annual Average Demand (gpd)	Peak Month Demand (gpd)

**AESTHETIC AUGMENTATION TOTALS:** \_\_\_\_\_

Provide calculations for the quantities needed for aesthetic augmentation of each water body listed.

Attached

**PART III. OTHER WATER USE**

**FIRE FLOW** – If fire protection is provided from an on-site water source, indicate the annual average, peak month and maximum daily quantities necessary in the table below. If this information was provided on another supplemental form, it is not necessary to complete it here.

Not applicable; fire protection is provided by a public supply utility.

District ID Number	Owner ID Number	Annual Avg. Demand (gpd)	Peak Month Demand (gpd)

**FIRE FLOW TOTALS:** \_\_\_\_\_

**CALCULATIONS:** Show the calculations for the quantities requested for annual average and peak month fire flow water demand (if more space is needed, attach documents):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**POTABLE/SANITARY REQUIREMENTS –**

1. Indicate the potable and sanitary demand for public and private facilities per shift associated with the recreational feature. Typical water demands are for food preparation and associated water needs, office and staff Facilities, public drinking fountains, restrooms, hotel/motel. Only complete the pertinent shift(s).

Not applicable; potable/sanitary needs are provided by a public supply utility.

Shift No.	District ID Number	Owner ID Number	No. of Persons / Guests /Employees Per Day	Annual Average (gpd)	Peak Month (gpd)
1					
2					
3					

**POTABLE/SANITARY TOTALS:** \_\_\_\_\_

**Annual Average (gpd)      Peak Month (gpd)**

**TOTAL RECREATION/AESTHETIC WATER USE:** \_\_\_\_\_

*(Add Golf Course; Other Irrigation; Water-Based Recreation; Zoo, Aquarium or Animal Attraction; General Non-Irrigation; Aesthetic Augmentation; Fire Flow; and Potable/Sanitary Requirements totals)*

## PART IV. WATER CONSERVATION

### New Applicants

Submit a water conservation plan that demonstrates that all environmentally, technically and economically feasible water conservation practices applicable to the activity will be implemented. The applicant shall include a description of how each water conservation practice listed below is addressed and indicate those that will be implemented (include an implementation schedule); those that are not applicable for the activity; or those that are not environmentally, technically or economically feasible (include documentation of infeasibility). The plan shall include a description of each water conservation practice and its expected implementation date. Progress reports shall be due based on the implementation schedule.

Attached

### Existing Permittees

In addition to the requirements for new applicants, all applicants to renew or to modify Water Use Permits for recreation or aesthetic use shall include a report on water conservation practices from the list below that have been implemented as well as other water conservation practices not listed below that may have been implemented. The report shall describe how each water conservation practice has been implemented and the achievements in water savings that have been realized from each water conservation practice.

#### Water Conservation Practices For Recreation or Aesthetic Uses

1. Conduct an ongoing analysis of the irrigation system efficiency, including conveyance, distribution, and application, and if storage ponds or reservoirs are used, an analysis of storage efficiencies. The analysis shall include periodic testing for application and distribution uniformity, and system maintenance to irrigate efficiently.
2. Avoid daytime irrigation, aeration or other activities which involve spraying water into the air to the greatest extent practicable to minimize water losses from evaporation and the wind. This does not apply to daytime use of water for system maintenance or other necessary non-irrigation uses.
3. Conduct an ongoing maintenance and repair program on the water distribution and irrigation systems, including a system-wide survey conducted at least once per year that includes monitoring flow rates and system pressures to detect leaks and clogs; routine cleaning system components (nozzles, valves, filters, meters, etc.); checking controllers or timers for accurate operation; and monitoring meters for unusually high or low readings.
4. Evaluate the feasibility of improving the efficiency of the current water distribution and irrigation system, converting to a more efficient system, or installing stormwater ponds to provide an alternative water supply source. Implement the improvements, conversion, and/or installation when it is determined to be operationally and economically feasible.
5. Implement an irrigation schedule that maximizes the efficiency of delivering the correct quantity of water to the root zone at the time it is needed. This includes varying the irrigation schedule (time and duration) to accommodate rainy and dry seasons, adjustments for rainy versus dry and normal rainfall years, use of rain sensors, and reducing irrigation during dormant months.
6. Monitor ambient conditions and soil profile using appropriate tools to determine when and how much irrigation water is needed. Example of these tools include soil moisture sensors, weather stations or other climatic measuring devices, and piezometers to monitor the water table elevation.
7. Use of frequent mowing practices to keep turf at an optimum constant height to provide a dense canopy to retain soil moisture by shading.
8. Reduce or eliminate irrigation runoff by monitoring irrigation duration so that only the water necessary for optimum plant growth is used and avoiding irrigation of paved areas.

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9. Use of Florida-friendly landscape or landscape that requires minimum supplemental irrigation and soil improvements such as incorporation of moisture-holding polymers.
10. Applicants for residential lawn irrigation where potable supply for the development is supplied by another permittee, the following conservation plan requirements are in addition to those above:
  - (a) For governmental utilities, minimization of lawn and landscape irrigation through enacting ordinances or measures that promote and implement the following:
    - (1) use of micro-irrigation on planting beds and other non-turf areas where irrigation is required , and minimizing the acreage of irrigated lawn area, and
    - (2) implementation of Florida Friendly landscape principles
  - (b) For non-governmental utilities,
    - (1) ensuring that deed restrictions or covenants
      - a. do not require a certain percentage of residential lots to be turf grass
      - b. do not require specific types of turf grasses to be utilized
      - c. do not require lawns to be maintained at a specific color, allowing browning during periods of dormancy or drought,
      - d. do not require residents to re-sod lawns during drought periods
    - (2) for irrigation quantities that are supplied via a conveyance system that is separate from the indoor potable supply, requiring individual use metering and a water conserving rate structure for irrigation quantities.

Attached

