Water Conservation Plan Form
Landscape/Non-Golf Recreation Irrigation

GENERAL INFORMATION

Applicant Name: _____

Project Name: _____

CUP Number: _____

Date: _____

Agent's Name: _____

2.2.6.1 Applicant's Handbook
Each applicant for a consumptive use permit for landscape/recreation/aesthetic use types must submit a water conservation plan for their facility to the District at the time of permit application. The plan must contain specific activities designed to conserve water. At a minimum, the water conservation plan must include:

(a) A program for increasing the water use efficiency of the applicant's operation. Appendix F provides an outline of water conservation measures which the applicant may undertake to meet this requirement. Individual provisions in Appendix F are not requirements per se, and do not exclude alternative conservation measures the applicant may wish to propose to the District.

(b) Development and implementation of an employee awareness and player education program concerning water conservation.

(c) Procedures and time frames for implementation, and for periodic assessment and revision of the water conservation plan.

Applicants may be able to fulfill the water conservation plan element (a) by demonstrating current water conserving activities which meet the intent of the element. In evaluating whether existing water conserving activities are sufficient to meet the applicable criteria in Rule 40C-2.301, F.A.C., the District will take into consideration the use type and efficiency of the specific use relative to other similar uses.

NOTE: Applicants are <u>not</u> required to fill out this form. It is a suggested form to assist applicants with developing a water conservation plan. Appendix F is found in the Applicant's Handbook (online at *www.sjrwmd.com/handbooks/pdfs/CUPhandbook.pdf*). Please note Section B on pages F-2 and F-3.

SECTION I – WATER USE EFFICIENCY

1. A water audit accounts for all water coming into and going out of a distribution system, such as an irrigation system, with the intent of determining the operational efficiency of the system as well as identifying sources of water loss and revenue loss.

   Have you performed a water audit of your operation?

   YES ☐ NO ☐

   If yes, who performed the audit? _____

   When was the audit performed? _____

   Please provide a summary or results of the audit.

   Describe all corrections and repairs that were made as a result of the audit and any additional improvements that you propose to implement.

   _____

   _____

   _____

   _____

   _____

   _____

   _____

   _____

   _____

2. What direct and indirect water-saving practices do you use or are proposing to use? Mark all that apply.

	Irrigation Water Saving Practice	Current	Proposed
☐	Rainfall shutoff device(s) (functioning devices are required by Section 373.62, Florida Statutes [F.S.])	☐	☐
☐	Rain gauges	☐	☐
☐	On-site weather station	☐	☐
☐	Smart irrigation controller system	☐	☐
☐	Pressure regulation	☐	☐
☐	Florida Water Star[SM] certification	☐	☐
☐	Installation of lining in ponds used for irrigation	☐	☐
☐	Implementation of strategies obtained from attending irrigation management educational session Describe each strategy that will be implemented: _____ _____	☐	☐
☐	Judgment Explain how judgment applied: _____ _____	☐	☐
☐	Other (including research projects) Describe: _____ _____	☐	☐

3. What factors are used to determine the irrigation schedule (duration and frequency) for the site?

_____

_____

_____

_____

4. Is the irrigation system designed so that plants with similar irrigation requirements are on the same irrigation zone (for example, annuals, shrubs, and turf grasses are on separate zones)?

YES ☐ NO ☐

If no,
Either propose a plan to redesign the irrigation system and landscape areas (so that plants with similar irrigation requirements are irrigated together) or explain why such a redesign cannot be implemented.

_____

_____

_____

SECTION II – LANDSCAPE PLANTS

1. Have water-efficient landscaping principles (such as Florida Friendly, Waterwise, or similar) been incorporated into the design of the landscape areas?

YES ☐ NO ☐

If no,
Have you considered future installation of water-efficient landscaping? If no, please explain why not.

_____

_____

_____

2. Of the total landscape acreage provided above, what percentage is turf grass? _____%

What species of turf grass are in the landscape? _____

Do you overseed during the winter months?

YES ☐ NO ☐

If yes, what type of turf grass is used for overseeding? _____

3. What percentage of your landscape area has either water efficient, site appropriate or natural vegetation that does not require regular irrigation? _____ %

4. What landscape water conservation practices do you use or are proposing to use? Mark all that apply.

	Landscape Water Conservation Practices	Current	Proposed
☐	Reduction in irrigated landscape acres Number of acres removed from irrigation _____ Number of acres currently irrigated _____	☐	☐
☐	Reduction in irrigated turf grass acres Number of acres removed from irrigation _____ Number of acres not irrigated _____	☐	☐
☐	Landscape areas are planted with water efficient, site appropriate or natural vegetation that are not irrigated Number of acres of natural vegetation _____	☐	☐
☐	Soil improvements *(example: addition of topsoil or soil amendments)*	☐	☐
☐	Mulching *(applied to a depth of 2–4 inches, leaving 2-inch space around base of plants)*	☐	☐
☐	Elimination of overseeding	☐	☐

Note: Information on plants that require less irrigation (Florida-Friendly Landscaping™ and Waterwise) is available on the District's web site at www.sjrwmd.com. Follow the link for Water Conservation/Waterwise Landscaping.

SECTION III – IRRIGATION SYSTEM MAINTENANCE AND REPAIR

1. Maintenance and repair of irrigation equipment is a key factor in water conservation. Summarize your maintenance and repair schedule by using the appropriate letter to indicate when each of the following tasks are performed.

(A) weekly (C) every time you irrigate (E) not feasible
(B) monthly (D) as needed (F) not applicable

Maintenance and Repair	A	B	C	D	E	F
Using a pressure gauge to check system pressures and flow rates for leak and clog detection	☐	☐	☐	☐	☐	☐
Using gauges to check line pressure to verify consistent PSI (pounds per square inch) between valve and most distant nozzles	☐	☐	☐	☐	☐	☐
Checking rainfall shut-off device(s) regularly to ensure they are working in accordance with the manufacturer's design specifications	☐	☐	☐	☐	☐	☐
Checking to ensure nozzles are not irrigating impervious areas	☐	☐	☐	☐	☐	☐
Installing pressure regulating nozzles where needed	☐	☐	☐	☐	☐	☐
Repairing leaks and clogs, and repairing worn or malfunctioning nozzles	☐	☐	☐	☐	☐	☐
Other maintenance Explain:_____	☐	☐	☐	☐	☐	☐

2. Is there a maintenance contract for landscape irrigation?

YES ☐ NO ☐

If yes, does it include language promoting water conservation and refer to the maintenance and repair activities listed above?

YES ☐ NO ☐

SECTION IV – EMPLOYEE AWARENESS / EDUCATION PROGRAM

1. The water conservation plan must contain an employee awareness and player education program. What employee awareness or education programs have you implemented or are proposing to implement? Mark all that apply.

	Employee Awareness / Educational Program	Current	Proposed
☐	Use paycheck stuffers to provide water conservation tips and information.	☐	☐
☐	Use special mailings, memos or email to provide water conservation tips and information to employees or customers.	☐	☐
☐	Publish and distribute water conservation tips through company newsletters or public bulletin boards.	☐	☐
☐	Write new or revised employee operating guides and manuals that describe changes and steps to implement water conservation activities.	☐	☐
☐	Conduct public tours of your facilities.	☐	☐
☐	Provide training for appropriate facilities and maintenance staff.	☐	☐
☐	Operate information booths, which include water conservation literature, at special events.	☐	☐
☐	Seek employee input for water conservation using contests or reward programs.	☐	☐
☐	Install signs in restrooms and kitchens encouraging water conservation.	☐	☐
☐	Appoint an employee water conservation coordinator to design and implement your water conservation plan.	☐	☐
☐	Implement practices from *Water Efficiency and Self-Conducted Water Audits at Commercial and Institutional Facilities Improvement Self-Assessment Guide for Commercial and Institutional Building Facility Managers* (published by the South Florida Water Management District).	☐	☐
☐	Become a U.S. Environmental Protection Agency (EPA) WaterSense® partner.	☐	☐
☐	Regularly evaluate water conservation and awareness program effectiveness.	☐	☐
☐	Conduct other employee awareness and education activities Describe: _____ _____	☐	☐

SECTION V – PLAN IMPLEMENTATION SCHEDULE SUMMARY

For each proposed water conservation practice or program listed in Sections I, II, or IV above, please indicate the expected date of implementation. Please note that such practices and programs should continue for the duration of the permit.

Proposed Water Conservation Practice or Program	Expected Date of Implementation

Please keep a copy of this plan for your records, because the permit, if issued, will reference this plan as part of the permit conditions.