Water Conservation Plan Form
Agriculture

GENERAL INFORMATION

Applicant Name: _____

Project Name: _____

CUP Number: _____

Date: _____

Agent's Name: _____

If more than one non-contiguous property is associated with this application provide:

Site Name: _____

2.2.5.5.1, Applicant's Handbook
All permit applicants for agricultural use types must submit a water conservation plan for their operation to the District at the time of permit application. The plan must contain specific activities designed to conserve water. The water conservation plan must include provision for the following:

(a) A program for increasing the water use efficiency of the applicant's operation. As part of this program, each grower must conduct an analysis of the operation's current water use practices and the water saving potential of proposed practices. Based on the results of that analysis, the applicant must implement water saving practices. Appendix F provides an outline of water saving practices 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 practices the applicant may wish to propose to the District.

(b) 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 present 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.

SECTION I – WATER USE EFFICIENCY

1. Have you performed a water audit of your operation? 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.

YES ☐ NO ☐

If yes, who performed the audit?

☐ Mobile Irrigation Lab
☐ Other _____

When was the audit performed? _____

Explain all corrections and repairs that were made as a result of the audit and any additional improvements proposed to be implemented.

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If you have not had a water audit of your operation, would you be interested in having a free water audit performed (subject to availability)?

YES ☐ NO ☐

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

	Water Saving Practice	Current	Proposed
☐	Rain gauges	☐	☐
☐	On-site weather station	☐	☐
☐	Smart irrigation controller system	☐	☐
☐	Observation well(s) (typically used in seepage irrigation to determine water table level)	☐	☐
☐	Rain sensor device(s)	☐	☐
☐	Soil moisture monitoring device(s)	☐	☐
☐	Weir Level	☐	☐
☐	Culvert Risers (typically used in seepage irrigation)	☐	☐
☐	Flow control nozzles	☐	☐
☐	Float control device (typically used in livestock operations)	☐	☐
☐	Suggestions from a professional irrigation consultant	☐	☐
☐	Information obtained from attending an irrigation management educational session	☐	☐
☐	Judgment Explain: _____	☐	☐
☐	Other Explain: _____	☐	☐

3. Is on-site recycled water or tailwater currently used or proposed to be used for irrigation?

YES ☐ NO ☐

If yes, describe how on-site recycled water or tailwater is used or proposed to be used for irrigation.

_____

_____

_____

_____

If no, provide an explanation of the economic, environmental, and technical feasibility of using on-site recycled water or tailwater for irrigation.

_____

_____

_____

_____

4. Are measures being implemented or proposed to be implemented to improve irrigation system efficiency?

YES ☐ NO ☐

If yes, indicate the type of improved irrigation system efficiency.

	Type of Improved Irrigation System Efficiency	Current	Proposed
☐	Installation of an irrigation system with higher rated irrigation efficiency	☐	☐
☐	Irrigation heads with higher efficiency	☐	☐
☐	Land leveling	☐	☐
☐	Water control structures	☐	☐
☐	Other Explain: _____	☐	☐

5. Do you apply fertilizer? YES ☐ NO ☐

If yes, do you apply fertilizer during a regularly scheduled irrigation application?

YES ☐ NO ☐

If you do not apply fertilizer during a regularly scheduled irrigation application, please propose in Section III (below) an implementation schedule to coordinate fertilization with the irrigation cycle or use this space to provide an explanation as to why it cannot be undertaken.

_____

_____

_____

_____

6. Are you currently participating in a research project investigating water use efficiency?

YES ☐ NO ☐

If yes, provide a brief explanation of the type of project.

_____

_____

_____

If no, would you be interested in participating in a research project investigating water use efficiency?

YES ☐ NO ☐

7. Do you have a water use efficiency research concept you would like to submit to the District that may result in an experimental study to improve water use efficiency?

YES ☐ NO ☐

If yes, provide a brief explanation of the type of project.

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SECTION II – MAINTENANCE AND REPAIR

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
(B) monthly
(C) every time you irrigate
(D) as needed
(E) not feasible
(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 between wellhead and most distant nozzles	☐	☐	☐	☐	☐	☐
Checking rainfall shut-off sensors regularly to ensure they are working in accordance with the manufacturer's design specifications	☐	☐	☐	☐	☐	☐
Checking to ensure nozzles are not irrigating non-crop areas	☐	☐	☐	☐	☐	☐
Repairing leaks and clogs, and repairing worn or malfunctioning nozzles	☐	☐	☐	☐	☐	☐
Other maintenance Explain:_____	☐	☐	☐	☐	☐	☐

SECTION III – PLAN IMPLEMENTATION SCHEDULE SUMMARY

For each proposed water conservation practice listed in Section I, please indicate an expected date of implementation. Please note that water conservation activities must continue for the duration of the permit.

Proposed Water Conservation Practice	Expected Date of Implementation

Note: 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.