

TURF-RELATED FACILITY CONSERVATION PLAN – GOLF COURSES

**Arizona Department of Water Resources
1110 W Washington St #310, Phoenix, Arizona 85007
Phone 602-771-8585**

Please Print or Type

Completion of this form fulfills the management plan requirements described below. However, as the form is a guide, the department may also accept alternative conservation plans that meet the following requirements:

Pursuant to Section 6-702(B) of the Fourth Management Plan:

No later than Jan. 1, 2023 or 180 days after receiving official notice of conservation requirements, whichever occurs later, an industrial user who uses water at a turf-related facility shall prepare a conservation plan for the facility that contains an accurate and detailed description of the conservation technologies, including management practices, that are applied at the facility when water is used for landscape watering purposes.

Pursuant to Section 6.502(B) of the Fifth Management Plan:

No later than January 1, 2025 or 180 days after receiving official notice of conservation requirements, whichever occurs later, an industrial user who uses water at a turf-related facility shall prepare a conservation plan for the facility that contains an accurate and detailed description of the conservation technologies, including management practices, that are applied at the facility when water is used for landscape watering purposes. The industrial user shall maintain or update the conservation plan at least annually.

PART 1 - GENERAL INFORMATION – Please provide:

Facility name, Address and Contact Person (Please Include Phone Number and Email):

Location of the facility (Township, Range, Section and Quarter Section, if applicable):

Facility ownership:

Non-irrigation grandfathered groundwater rights, surface water rights and groundwater withdrawal permits used at this facility, and/or city, town, private water company or irrigation district that provide(s) water used at this facility:

DWR well registration number(s) for well(s) used at this facility:

PART 2 – LANDSCAPE DESIGN (attach additional pages as needed)

Describe decisions that were made in the design or modification of the facility that result in water conservation.

Describe decisions made in the design of the facility to capture and divert rainfall and runoff, if applicable.

Describe the different types of landscape throughout your facility, its location, and the percentage of each (i.e., Bermuda grass 72%, on all tees, greens and fairways, low water landscape 11%, surrounding holes number 1, 7, 8 and 9).

Is your facility open year around? Yes No

PART 3 – IRRIGATION SYSTEMS (attach additional pages as needed)

Describe your annual irrigation system schedule. Include a detailed explanation of how the schedule is determined as well as how you are adjusting for slope, infiltration considerations, or for overseeding and seasonal water use requirement variations. Please attach a current monthly water budget.

Describe the type of irrigation system controller used at the facility including the make, model and year installed.

Please attach a diagram of the irrigation system design at the facility. Describe the layout of the irrigation system and how the system is controlled to result in water conservation (such as sub-metering or separate controllers for various areas of landscaping).

Describe your irrigation system maintenance program, including how often the system is inspected for leaks, breaks, pressure, and sprinkler head direction.

Explain how dry spots are irrigated.

PART 4 – MANAGEMENT PRACTICES (attach additional pages as needed)

Please describe steps taken to ensure lakes at the facility use as little water as possible. If the lakes are lined, describe the method and materials used to line the lakes.

Describe the schedule for inspection and repair/or replacement of lake liners at the facility.

Please list the surface area and average depth of each lake at the facility.

If any of the lakes at the facility are used for irrigation water storage, please list the surface area, average depth, and maximum number of days of irrigation water held in these lakes below.

Describe the facility's irrigation strategy if there is a delay in pumping or receiving water, including the maximum number of days of irrigation water held in reserve in the facility lakes.

Describe how water is delivered to the lake(s) at your facility (i.e., open channel).

Describe your irrigation priority schedule during a water shortage.

Describe how your irrigation system is capable of responding to weather conditions including automatic rain shut-off switch and/or wind sensors.

Describe the design of any on-site weather station(s) at the facility, including the types of meteorological data collected. If there is no on-site weather station at the facility, please list the source and location of any weather data used to schedule irrigation.

If there are any low water use landscaped areas at your facility, explain how they receive water (i.e., drip system turned on once a month during winter for 1 hour, etc).

If needed, what soil nutrients are added or what soil conditioning is done at your facility and how often?

Describe any special circumstances that exist at your facility (i.e., do you have unique water quality, soil, or irrigation application uniformity considerations).

Outline additional guidelines or techniques used at your facility to obtain maximum water use efficiency.

Describe the type and average amount of play on your course. (i.e., 1 tournament per year, executive course play only, rounds per year)

PART 5 – EDUCATION (attach additional pages as needed)

Do you have an employee water conservation education program? Describe the program. If no program exists, how would you create and implement one?

Provide a summary of staff expertise, experience, and years of experience.

I certify that the information contained in the plan is true and correct to the best of my belief.

Please Sign Name

Please Print Name

Date

Phone Number

Email Address

PLEASE UPDATE THIS CONSERVATION PLAN TO REFLECT ANY CHANGES MADE AT THE FACILITY DURING THE MANAGEMENT PERIOD. IF YOU HAVE ANY QUESTIONS REGARDING THIS FORM PLEASE CONTACT THE AMA INDUSTRIAL TEAM AT 602-771-8585.