

6.3.7 Industrial Conservation Requirements and Monitoring and Reporting Requirements for Turf-Related Facilities

6-301. *Definitions*

In addition to the definitions set forth in Chapters 1 and 2 of Title 45 of the Arizona Revised Statutes and section 6-101 of this chapter, unless the context otherwise requires, the following words and phrases used in sections 6-301 through 6-306 of this chapter shall have the following meanings:

1. *"Additional low water use landscaped area" means:*
 - a. *For a pre-1985 golf course that is a regulation golf course, low water use landscaped area that was added to the facility after December 31, 1984 and that is not included in the facility's planted acres.*
 - b. *For a post-1984 golf course that is a regulation golf course, low water use landscaped area that was added to the facility after January 1, 1990 and that is not included in the facility's planted acres.*
2. *"Additional turf acres" means:*
 - a. *For a pre-1985 golf course that is a regulation golf course, turf acres that were added to the facility after December 31, 1984 and that are not included in the facility's planted acres.*
 - b. *For a post-1984 golf course that is a regulation golf course, turf acres that were added to the facility after January 1, 1990 and that are not included in the facility's planted acres.*
3. *"Body of water" means a constructed body of water or interconnected bodies of water, including a lake, pond, lagoon, or swimming pool, that has a surface area greater than 12,320 square feet when full and that is filled or refilled primarily for landscape, scenic or recreational purposes, or regulatory storage.*
4. *"Common area" means an area or areas that is owned and operated as a single integrated facility and that is used for recreational or open space purposes. A common area is maintained for the benefit of the residents of a housing development.*
5. *"Contiguous" means in contact at any point or part of the same master-planned community. Two parcels of land are contiguous even if they are separated by one or more of the following: a road, easement, or right-of-way.*
6. *"Direct use effluent" means effluent transported from a facility regulated pursuant to Title 49, Chapter 2, Arizona Revised Statutes, to an end user. Direct use effluent does not include effluent that has been stored pursuant to Title 45, Chapter 3.1, Arizona Revised Statutes.*
7. *"Effluent recovered within the area of impact" means effluent that has been stored pursuant to Title 45, Chapter 3.1, Arizona Revised Statutes, and recovered within the stored effluent's area of impact. For purposes of this definition, "area of impact" has the same meaning as prescribed by A.R.S. § 45-802.01.*

8. *"Golf course" means a turf-related facility used for playing golf with a minimum of nine holes and including any practice areas.*
9. *"Historic low water use landscaped area" means:*
 - a. *For a pre-1985 golf course, the highest number of acres of low water use landscaped area in existence within the facility during any one calendar year from 1980 through 1984.*
 - b. *For a post-1984 golf course, the highest number of acres of low water use landscaped area in existence within the facility during any one calendar year from 1985 through 1989.*
10. *"Historic total water surface area" means:*
 - a. *For a pre-1985 golf course, the highest number of acres of total water surface area, excluding the surface area of any bodies of water entirely filled and refilled with effluent, which were in existence within the facility during any one calendar year from 1980 through 1984, plus the lesser of: (1) the number of acres of total water surface area, excluding the surface area of any bodies of water entirely filled and refilled with effluent, in existence within any portion of the facility that was expanded after December 31, 1984 and (2) an area calculated by multiplying the number of holes located within any portion of the facility that was expanded after December 31, 1984 by .14 acre per hole.*
 - b. *For a post-1984 golf course, the highest number of acres of total water surface area, excluding the surface area of any bodies of water entirely filled and refilled with effluent, which were in existence within the facility during any one calendar year from 1985 through 1989 and that were entitled to an allotment of water under the management plan for the first management period.*
11. *"Historic turf acres" means:*
 - a. *For a pre-1985 golf course, the highest number of acres of turf acres within the facility during any one calendar year from 1980 through 1984.*
 - b. *For a post-1984 golf course, the highest number of acres of turf acres within the facility during any one calendar year from 1985 through 1989.*
12. *"Hole" means a component of a golf course consisting at a minimum of a tee and a green. A practice area or driving range is not a hole.*
13. *"Landscape watering" means the application of water from any source, at a turf-related facility to a water-intensive landscaped area, a low water use landscaped area, and revegetation acres.*
14. *"Low water use landscaped area" means an area of land at least one acre in aggregate, which is located in a turf-related facility, which is watered by a permanent water application system within the landscaped area, and planted primarily with plants listed in Appendix 5-L, Low Water Use/Drought Tolerant Plant List, Phoenix AMA, or any modifications to the list. Mature vegetation planted in a low water use landscape area must cover at least 50 percent of the area.*

15. *"Newly turfed area" means, for a calendar year, an area of land planted with a warm-season grass species that was not planted with a warm-season grass species during the preceding calendar year.*
16. *"Overseeded area" means an area of land planted during the calendar year in question with a cool season grass species that grows over dormant warm season grasses during the fall/winter period.*
17. *"Planted acres" means the total turf acres and low water use landscaped area of a golf course, up to a maximum of 5 acres per hole. In determining a facility's planted acres, turf acres shall be counted first.*
18. *"Post-1984 golf course" means either of the following:*
 - a. *A golf course that was neither in operation as of December 31, 1984 nor substantially commenced as of December 31, 1984.*
 - b. *A golf course that was either in operation as of December 31, 1984 or substantially commenced as of December 31, 1984 and that was substantially modified after December 31, 1984.*
19. *"Pre-1985 golf course" means a golf course that was either in operation as of December 31, 1984 or substantially commenced as of December 31, 1984 and includes any expanded portion of the golf course. If a pre-1985 golf course is substantially modified after December 31, 1984, it becomes a post-1984 golf course.*
20. *"Regulation golf course" means a golf course of at least 18 holes that is 6,200 yards or more in length per 18 holes as measured from back of the tee ground furthest from the green down the center line of the hole to the center of the green.*
21. *"Substantially commenced as of December 31, 1984" means, with regard to the construction of a turf-related facility, that the owner or operator of the facility had obtained all pre-construction permits and approvals required by federal, state, or local governments for the facility by December 31, 1984, or had made a substantial capital investment in the physical on-site construction of the facility by December 31, 1984.*
22. *"Substantially modified" means that at least 50 percent of the water-intensive landscaped area within the turf-related facility was reconfigured.*
23. *"Total cemetery area" means an area of land being used for cemetery-related purposes, including any area of land covered by grave markers or by cemetery-related buildings, walks, pathways, and landscaping, but not including roads, parking lots, and any areas of land being held for future expansion of the cemetery.*
24. *"Total water surface area" means the total surface area of all bodies of water that are an integral part of the water-intensive landscaped area of a turf-related facility. Bodies of water used primarily for swimming purposes are not an integral part of the water-intensive landscaped area of a turf-related facility.*
25. *"Turf acres" means an area of land within a turf-related facility that is watered with a permanent water application system and planted primarily with plants not listed in*

Appendix 5-L, Low Water Use/Drought Tolerant Plant List, Phoenix AMA, or any modifications to the list.

26. *"Turf-related facility" means any facility, including cemeteries, golf courses, parks, schools, or common areas within housing developments, with a water-intensive landscaped area of 10 or more acres. Turf-related facilities include, but are not limited to, those facilities listed in Appendix 6B.*
27. *"Water-intensive landscaped area" means, for a calendar year, the turf acres and the water surface acres within a turf-related facility.*

6-302. Conservation Requirements for All Turf-Related Facilities

A. Maximum Annual Water Allotment

Beginning with calendar year 2002 or the first full calendar year after commencement of landscape watering, whichever is later, and for each calendar year thereafter until the first compliance date for any substitute conservation requirement in the Fourth Management Plan, an industrial user who uses water at a turf-related facility shall not withdraw, divert, or receive water for landscape watering purposes at the turf-related facility during a year in an amount that exceeds the turf-related facility's maximum annual water allotment for the year as calculated in sections 6-303 through 6-305.

B. Conservation Plan

No later than January 1, 2002 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 the conservation plan until the first compliance date for any substitute requirement in the Fourth Management Plan.

C. Limiting Water-Intensive Landscaped Area

1. *Beginning on January 1, 2002 or upon commencement of landscape watering, whichever occurs later, and continuing until the first compliance date for any substitute requirement in the Fourth Management Plan, an industrial user who uses water at a turf-related facility that is not a cemetery or golf course shall design, construct, and maintain the grounds of the facility in a manner that minimizes the water-intensive landscaped area of the facility consistent with the use of the facility. All of the facility's water-intensive landscaping shall be planted in those areas directly associated with the turf-related facility's primary purposes.*
2. *Beginning on January 1, 2002 or upon commencement of landscape watering, whichever occurs later, and continuing until the first compliance date for any substitute requirement in the Fourth Management Plan, an industrial user who uses water at a turf-related facility that is a cemetery shall limit the water-intensive landscaped area within any portion of the cemetery that was neither in operation as of December 31, 1984 nor substantially commenced as of December 31, 1984 so that no more than 75 percent of the total cemetery area within that portion of the cemetery is planted with plants not listed in Appendix 5-L, Low Water Use/Drought Tolerant Plant List, Phoenix AMA, or any*

modifications to the list. This requirement shall not apply to any expanded portion of a cemetery in operation as of December 31, 1984 or substantially commenced as of December 31, 1984 if the expanded portion of the cemetery was under the same ownership as the cemetery as of December 31, 1984.

6-303. Calculation of Maximum Annual Water Allotment for Turf-Related Facilities that are not Golf Courses

For each calendar year, the maximum annual water allotment for a turf-related facility that is not a golf course shall be calculated by multiplying the number of acres in existence within the facility during the calendar year in each of the categories listed in Table 6-303-1 by the applicable application rate for each category listed in Table 6-303-1 and then adding together the products plus any allotment additions allowed under section 6-306.

If turf acres, low water use landscaped area, or total water surface area are removed from a facility during the third management period, the maximum annual allotment for the facility shall be equal to the allotment calculated for the facility pursuant to this section as if the acres had not been removed.

**TABLE 6-303-1
APPLICATION RATES FOR
TURF-RELATED FACILITIES THAT ARE NOT GOLF COURSES
From 2002 until the first compliance date for any substitute requirement
in the Fourth Management Plan**

Type of Landscaping:	Application rate: (acre-feet per acre per calendar year)
1. Turf acres	4.9
2. Total water surface area	6.2
3. Low water use landscaped area	1.5

6-304. Calculation of Maximum Annual Water Allotment for Pre-1985 Golf Courses

A. Pre-1985 Golf Courses that are not Regulation Golf Courses

For each calendar year, the maximum annual water allotment for a pre-1985 golf course that is not a regulation golf course shall be calculated by multiplying the number of acres in existence within the facility during the calendar year in each of the categories listed in Table 6-304-1 by the applicable application rate for each category listed in Table 6-304-1, subject to the limitations set forth in footnote 1 in that table, and then adding together the products plus any allotment additions allowed under section 6-306.

TABLE 6-304-1
APPLICATION RATES FOR PRE-1985 GOLF COURSES
THAT ARE NOT REGULATION GOLF COURSES
From 2002 until the first compliance date for any substitute requirement
in the Fourth Management Plan

Type of Landscaping:	Application rate: (acre-feet per acre per calendar year)
1. <i>Planted acres</i>	4.9
2. <i>Historic turf acres not included in planted acres</i>	4.0
3. <i>Historic low water use landscaped area not included in planted acres</i>	1.5
4. <i>Total water surface area¹</i>	6.2

¹ In determining the number of acres of total water surface area in existence within the facility, the total surface area of all bodies of water not filled and refilled entirely with direct use effluent or effluent recovered within the area of impact shall be limited to an area calculated by multiplying the number of holes present within the facility during the year by .14 acre per hole, or the facility's historic total water surface area, whichever is greater. For purposes of this paragraph, a body of water allowed under an interim water use permit issued pursuant to A.R.S. § 45-133 shall be deemed to be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact if the body of water will be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact after the permit expires.

B. Pre-1985 Golf Courses that are Regulation Golf Courses

For each calendar year, the maximum annual water allotment for a pre-1985 golf course that is a regulation golf course shall be calculated by multiplying the number of acres in existence within the facility during the calendar year in each of the categories listed in Table 6-304-2 by the applicable application rate for each category listed in Table 6-304-2, subject to the limitations set forth in footnotes 1, 2, and 3 in that table, and then adding together the products plus any allotment additions allowed under section 6-306.

TABLE 6-304-2
APPLICATION RATES FOR PRE-1985 GOLF COURSES
THAT ARE REGULATION GOLF COURSES
From 2002 until the first compliance date for any substitute requirement
in the Fourth Management Plan

Type of Landscaping:	Application rate: (acre-feet per acre per calendar year)
1. <i>Planted acres</i>	4.9
2. <i>Historic turf acres not included in planted acres²</i>	4.0
3. <i>Additional turf acres^{1,2}</i>	3.0
4. <i>Historic low water use landscaped area not included in planted acres²</i>	1.5
5. <i>Additional low water use landscaped area^{1,2}</i>	1.5
6. <i>Total water surface area³</i>	6.2

¹ If the sum of the allotments for the facility's historic turf acres not included in planted acres (line 2) and historic low water use landscaped area not included in planted acres (line 4) exceeds an amount calculated by multiplying the number of holes present within the facility during the year by 5 acre-feet of water per hole, the application rates for the facility's additional turf acres (line 3) and additional low water use landscaped area (line 5) shall be zero.

² If the sum of the allotments for the facility's historic turf acres not included in planted acres (line 2) and historic low water use landscaped area not included in planted acres (line 4) is less than an amount calculated by multiplying the number of holes present within the facility during the year by 5 acre-feet of water per hole, the total allotment for the facility's historic turf acres not included in planted acres (line 2), historic low water use landscaped area not included in planted acres (line 4), additional turf acres (line 3) and additional low water use landscaped area (line 5) shall not exceed an amount calculated by multiplying the number of holes present within the facility during the year by 5 acre-feet of water per hole.

³ In determining the number of acres of total water surface area in existence within the facility, the total surface area of all bodies of water not filled and refilled entirely with direct use effluent or effluent recovered within the area of impact shall be limited to either an area calculated by multiplying the number of holes present within the facility during the year by .14 acre, or the facility's historic total water surface area, whichever is greater. For purposes of this paragraph, a body of water allowed under an interim water use permit issued pursuant to A.R.S. § 45-133 shall be deemed to be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact if the body of water will be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact after the permit expires.

6-305. Calculation of Maximum Annual Water Allotment for Post-1984 Golf Courses

A. Post-1984 Golf Courses that are not Regulation Golf Courses

For each calendar year, the maximum annual water allotment for a post-1984 golf course that is not a regulation golf course shall be calculated by multiplying the number of acres in existence within the facility during the calendar year in each of the categories listed in Table 6-305-1 by the applicable application rate for each category listed in Table 6-305-1, subject to the limitations set forth in footnote 1 in that table, and then adding together the products plus any allotment additions as allowed under section 6-306.

TABLE 6-305-1
APPLICATION RATES FOR POST-1984 GOLF COURSES
THAT ARE NOT REGULATION GOLF COURSES
From 2002 until the first compliance date for any substitute requirement
in the Fourth Management Plan

Type of Landscaping:	Application rate: (acre-feet per acre per calendar year)
1. Planted acres	4.9
2. Historic turf acres not included in planted acres	0.0
3. Historic low water use landscaped area not included in planted acres	0.0
4. Total water surface area ¹	6.2

¹ In determining the number of acres of total water surface area in existence within the facility, the total surface area of all bodies of water not filled and refilled entirely with direct use effluent or effluent recovered within the area of impact shall be limited to an area calculated by multiplying the number of holes present within the facility during the year by .14 acre per hole, or the facility's historic total water surface area, whichever is greater. For purposes of this paragraph, a body of water allowed under an interim water use permit issued pursuant to A.R.S. § 45-133 shall be deemed to be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact if the body of water will be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact after the permit expires.

B. Post-1984 Golf Courses that are Regulation Golf Courses

For each calendar year, the maximum annual water allotment for a post-1984 golf course that is a regulation golf course shall be calculated by multiplying the number of acres in existence within the facility during the calendar year in each of the categories listed in Table 6-305-2 by the applicable application rate for each category listed in Table 6-305-2, subject to the limitations set forth in footnotes 1 and 2 in that table, and then adding together the products plus any allotment additions allowed under section 6-306.

TABLE 6-305-2
APPLICATION RATES FOR POST-1984 GOLF COURSES
THAT ARE REGULATION GOLF COURSES
From 2002 until the first compliance date for any substitute requirement
in the Fourth Management Plan

Type of Landscaping:	Application rate: (acre-feet per acre per calendar year)
1. <i>Planted acres</i>	4.9
2. <i>Historic turf acres not included in planted acres¹</i>	3.0
3. <i>Additional turf acres¹</i>	3.0
4. <i>Historic low water use landscaped area not included in planted acres¹</i>	1.5
5. <i>Additional low water use landscaped area¹</i>	1.5
6. <i>Total water surface area²</i>	6.2

¹ The sum of the allotments for the facility's historic turf acres not included in planted acres (line 2), additional turf acres (line 3), historic low water use landscaped area not included in planted acres (line 4) and additional low water use landscaped area (line 5) shall not exceed an amount calculated by multiplying the number of holes present within the facility during the year by 5 acre-feet of water per hole.

² In determining the number of acres of total water surface area in existence within the facility, the total surface area of all bodies of water not filled and refilled entirely with direct use effluent or effluent recovered within the area of impact shall be limited to an area calculated by multiplying the number of holes present within the facility during the year by .14 acre per hole, or the facility's historic total water surface area, whichever is greater. For purposes of this paragraph, a body of water allowed under an interim water use permit issued pursuant to A.R.S. § 45-133 shall be deemed to be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact if the body of water will be filled and refilled entirely with direct use effluent or effluent recovered within the area of impact after the permit expires.

6-306. Allotment Additions

A. Newly Turfed Area Establishment Addition

For any year in which a warm-season turfgrass species is planted at a turf-related facility, the facility shall receive an allotment addition of 1.0 acre-foot of water per acre of newly turfed area. For golf courses, the newly turfed area establishment addition shall not exceed an amount calculated by multiplying the number of holes present within the newly turfed area by 5 acre-feet of water.

B. Revegetation Addition

The owner or operator of a turf-related facility may apply to the director for an allotment addition to revegetate areas within or around the facility after initial construction or renovation. The director may allow up to an additional 1.5 acre-feet of water per acre for up to three years if the following conditions apply to the acres for which the revegetation addition is sought:

- 1. The plants that are planted are listed in Appendix 5-L, Low Water Use/Drought Tolerant Plant List, Phoenix AMA, or any modifications to the list, or were adapted to the site prior to construction;*

2. *The aggregate area to be watered exceeds one acre and has at least 50 percent vegetative cover at maturity;*
3. *An allotment is not provided for the revegetation area under sections 6-303, 6-304, or 6-305; and*
4. *All of the water applied is measured and reported as part of the total water use of the facility.*

C. *Body of Water Fill and Refill Addition*

1. *A turf-related facility shall receive a one-time body of water fill allotment addition equal to the volume of water used for the initial filling of any new body of water added after January 1, 2002 within the facility. The facility shall receive the allotment addition only for the calendar year in which the body of water is filled.*
2. *If a body of water at a turf-related facility is drained or partially drained to allow for repairs to reduce water losses, the owner or operator of the facility may apply to the director for an addition to the facility's maximum annual water allotment in the amount of water necessary to refill the body of water. The director shall grant the allotment addition if the director determines that drainage of the body of water was necessary to allow for repairs to reduce water losses. The facility shall receive the allotment addition only for the calendar year in which the body of water is filled.*

D. *Leaching Allotment Addition*

The owner or operator of a turf-related facility may apply to the director for an allotment addition for leaching purposes. The director shall approve the application if the water supply used for landscape watering at the facility contains at least 1,000 milligrams per liter of total dissolved solids. If the director approves an allotment addition for leaching purposes, the director shall calculate the additional allotment as follows:

$$\text{Leaching Allotment Addition} = \left(\frac{1}{1 - \left(\frac{EC_w}{5EC_e - EC_w} \right)} - 1 \right) \times \frac{CU}{0.85}$$

Where:

EC_w	=	<i>Electrical conductivity of water used</i>
EC_e	=	<i>Tolerance of the grass species grown to the soil salinity in electrical conductivity of the soil saturation extract</i>
CU	=	<i>Consumptive use requirement for the grass species</i>

Any allotment addition granted under this subsection shall remain in effect until the water supply used for landscape watering at the facility contains less than 1,000 milligrams per liter of total dissolved solids or until the first compliance date for the facility's conservation requirements in the Fourth Management Plan, whichever occurs first.

6-307. Combined Allotments for Contiguous Facilities

The maximum annual water allotments for contiguous turf-related facilities under one ownership or operation may be combined. All or a portion of the combined maximum water allotment may be applied to any part of the contiguous facilities.

6-308. *Nothing in this chapter shall be construed as authorizing the use of more groundwater or surface water than may be used pursuant to any groundwater or appropriable surface water rights or permits associated with the use. Nor shall this chapter be construed as authorizing the use of water from any source in any manner that violates Chapter 1 or Chapter 2 of Title 45, Arizona Revised Statutes.*

6-309. Compliance with Maximum Annual Water Allotment

A. Effluent Use Adjustment

For purposes of determining compliance with the maximum annual water allotment requirement, the director shall count each acre-foot of direct use effluent or effluent recovered within the area of impact used at the facility for landscape watering purposes during the calendar year as 0.6 acre-foot of water.

B. Flexibility Account

The director shall determine if a turf-related facility is in compliance with its maximum annual water allotment through the maintenance of a flexibility account for the facility according to the following:

- 1. Beginning with calendar year 2002 or the first full calendar year after commencement of landscape watering, whichever is later, a flexibility account shall be established for a turf-related facility with a beginning balance of zero acre-feet.*
- 2. Following each calendar year in which groundwater is withdrawn, diverted, or received for landscape watering purposes at the facility, the director shall adjust the turf-related facility's flexibility account as follows:*
 - a. Subtract the total volume of water from any source, including effluent as adjusted under subsection A of this section used by the facility for landscape watering purposes during that calendar year, from the facility's maximum annual water allotment for that year.*
 - b. If the result in subparagraph a of this paragraph is positive, credit the flexibility account by this volume.*
 - c. If the result in subparagraph a of this paragraph is negative, debit the flexibility account by this volume.*
- 3. The account balance existing in a turf-related facility's flexibility account, after the adjustment provided for in paragraph 2 of this subsection is made, shall carry forward, subject to the following limitations:*
 - a. The maximum positive account balance allowed in the flexibility account of a turf-related facility after any credits are registered pursuant to paragraph 2,*

subparagraph b of this subsection, shall be calculated by multiplying the facility's maximum annual water allotment for the calendar year for which the credits are registered by 0.2. If the account balance exceeds the maximum positive account balance after the credits are registered, the balance carried forward shall be equal to the maximum positive account balance.

- b. The maximum negative account balance allowed in the flexibility account of a turf-related facility after any debits are registered pursuant to paragraph 2, subparagraph c of this subsection shall be calculated by multiplying the facility's maximum annual water allotment for which the debits are registered by -0.2. If the account balance exceeds the maximum negative account balance after the debits are registered, the balance carried forward shall be equal to the maximum negative account balance.*

C. Compliance Status

If the adjustment to a turf-related facility's flexibility account at the end of a calendar year as provided for in subsection B, paragraph 2 of this section causes the account to have a negative account balance which exceeds the maximum negative account balance allowed in the flexibility account for the calendar year as calculated in subsection B, paragraph 3 of this section, the industrial users who use water at the facility are in violation of the facility's maximum annual water allotment for that calendar year in an amount equal to the difference between the facility's flexibility account balance and the maximum negative balance allowed in the facility's account for that year.

6-310. Monitoring and Reporting Requirements for Turf-Related Facilities

- 1. An industrial user who uses water at a turf-related facility that commences landscape watering within any new turfed acres, low water use landscaped area or water surface acres after January 1, 2002 shall submit to the director documentation of the new acres no later than 90 days after commencing of landscape watering to the new acres or receiving notice of these conservation requirements, whichever is later. The scale of the submitted documents, extent of turf acres, water surface acres, and low water use landscaped area must clearly be shown. Documentation may consist of one or more of the following:*
 - a. As-built plans certified by a registered professional such as a civil engineer, golf course designer, or landscape architect.*
 - b. Aerial photography at a scale no smaller than 1"=200'.*
 - c. A survey of the facility certified by a registered professional such as a civil engineer or land surveyor.*
 - d. Any other documentation upon approval by the director.*
- 2. For calendar year 2002 or the calendar year in which landscape watering commences, whichever occurs later, and for each calendar year thereafter until the first compliance date for any substitute monitoring and reporting requirements in the Fourth Management Plan, an industrial user who uses water at a turf-related facility shall include in the annual report required by A.R.S. § 45-632 the following information:*

- a. *The total quantity of water by source, disaggregated by source, including effluent, withdrawn, diverted, or received during the calendar year for landscape watering purposes at the facility, as measured with a measuring device in accordance with the Department's measuring device rules. A.A.C. R12-15-901, et seq.*
- b. *The total amount of effluent, disaggregated by direct use effluent, effluent recovered within the area of impact and effluent recovered outside the area of impact that was withdrawn or received during the calendar year for landscape watering purposes as measured with a measuring device in accordance with the Department's measuring device rules, A.A.C. R12-15-901, et seq.*
- c. *The number of acres of total water surface area within the facility during the calendar year.*
- d. *The number of acres of low water use landscaped area within the facility during the calendar year.*
- e. *The number of acres of turf acres within the facility during the calendar year, not including newly turf area.*
- f. *The number of acres of newly turfed area within the facility during the calendar year.*
- g. *The number of turf acres removed within the facility during the calendar year.*
- h. *The number of acres of total water surface area added or removed within the facility during the calendar year.*
- i. *The number of acres of low water use landscaped area added or removed within the facility during the calendar year.*
- j. *If the facility is a golf course, the number of planted acres within the facility during the calendar year.*
- k. *If the facility is a golf course, the number of acres of historic turf acres not included in planted acres within the facility.*
- l. *If the facility is a golf course, the number of acres of historic low water use landscaped area not included in planted acres within the facility.*
- m. *If the facility is a golf course, the number of acres of historic total water surface area within the facility.*
- n. *If the facility is a golf course, the length of the course as measured from the back of each tee ground furthest from the associated green then down the center line of the hole to the center of the green.*
- o. *If the facility is a regulation golf course, the number of acres of any additional low water use landscaped area within the facility during the calendar year.*
- p. *If the facility is a regulation course, the number of acres of any additional turf acres, including newly turf acres, within the facility during the calendar year.*

- q. The number of acres approved by the director for a revegetation addition pursuant to section 6-306, subsection B, within the facility during the calendar year.*
 - r. The quantity of water used to fill or refill a body of water within the facility during the calendar year for which an allotment addition is sought pursuant to section 6-303, subsection B.*
 - s. The number of acres of overseeded area within the facility during the calendar year.*
 - t. If the facility is a golf course, the number of holes within the facility during the calendar year.*
 - u. If the facility is a golf course, the number of holes added within newly turf area during the calendar year.*
 - v. An estimate of the quantity of water from any source, including effluent, used for each purpose other than landscape watering purposes at the facility during the calendar year. Any water used at the facility that is not measured separately from the water used for landscape watering shall be counted by the director as water used by the facility for landscape watering for purposes of calculating the compliance with the maximum annual water allotment.*
- 3. A single annual report may be filed for contiguous turf-related facilities that are under the same ownership or operation if the allotments for the facilities are combined pursuant to section 6-307. The annual report shall report water use and landscaped areas of the contiguous facilities as required in subsection 2 in this section.*