# Agricultural Water Conservation Measures

For Agricultural Applicants or Permittees

Required for allocations greater than 100,000 gallons per day (gpd) upon application for a modification to increase allocation or duration, renewal, or 10-year compliance review.

## Section 1: Applicant / Permittee Information

|  |  |
| --- | --- |
| Permit Number: |  |
| Permittee/Applicant Name: |  |
| Contact Person: |  |
| Email: |  |
| Phone: |  |
| Farm/Project Name: |  |
| Physical Address: |  |
| Authorized Allocation (gpd): |  |

## Section 2: Irrigation System Maintenance and Evaluation

Submit a Mobile Irrigation Lab (MIL) evaluation or equivalent within the last five years, where such evaluations have been made available. For each irrigation system, indicate whether the minimum distribution uniformity (DU) requirements listed in **Table 1** of Section 6 below were met.

|  |  |  |
| --- | --- | --- |
| Irrigation System Type | Reported Distribution Uniformity (DU), % | Minimum Distribution Uniformity Met (Y/N) |
|  |  |  |
|  |  |  |
|  |  |  |

*(Add additional rows if necessary.)*

## Section 3: Irrigation System Management – Water Conservation Measures (WCMs)

List the water conservation measures from **Table 2** of Section 6 below that were implemented.

| WCM Description | Date Implemented | Estimated Water Savings (gpd), where known |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

*(Add additional rows if necessary.)*

If alternative WCMs are implemented, submit supporting information that: 1) describes the measures, 2) provides a justification for used based on specific field conditions, 3) and demonstrates effectiveness.

## Section 4: Tailwater Recovery / AWS Projects *(If applicable)*

If implementing a Tailwater Recovery System or Alternative Water Supply (AWS) project, describe the project and its expected water savings where known.

## Section 5: Certification

I certify that the information provided in this **Water Conservation Measures Report** is complete and accurate to the best of my knowledge.

|  |  |  |
| --- | --- | --- |
| Name |  | Signature |

|  |  |  |
| --- | --- | --- |
| Title |  | Date |

## Section 6: Reference Tables

As provided in section 2.1, Table 2 of the Water Conservation Requirements, incorporated by reference in 62-42.300(7), F.A.C., permittees shall maintain the minimum distribution uniformity requirements provided in Table 1 below.

Table . Minimum Distribution Uniformity

|  |  |
| --- | --- |
| **Irrigation System Type** | **Minimum Distribution Uniformity (DU), %** |
| Micro-Spray | 75 |
| Low Pressure Center Pivot or Lateral Move | 75 |
| Standard Center Pivot with End Guns | 65 |
| In-Place Overhead Sprinklers | 70 |

As provided in section 2.2, Table 3 of the Water Conservation Requirements, incorporated by reference in 62-42.300(7), F.A.C., permittees shall implement water conservation measures (WCMs) identified in Table 2 below as appropriate to their specific field conditions to the maximum extent environmentally, economically, and technically feasible.

Table . Water Conservation Measures

|  |
| --- |
| Level 5 |
| * Soil Moisture Sensors w/ Irrigation System Centralized/Automated Remote Controlling
 |
| * Conversion from Seepage to Center Pivot Irrigation/Irrigation Drain Tile
 |
| Level 4 |
| * Conversion of Solid Set Sprinklers/Overhead Sprinklers to Micro-Spray/Single-Pot Irrigation
 |
| * Irrigate based on Soil Moisture Sensors
 |
| * Centralized/Automated Remote Controlling for center pivot, drip, and other irrigation systems
 |
| * Implementing sod-based rotation with cattle
 |
| * Conversion of overhead irrigation systems to drip/micro-spray systems
 |
| * Conversion from high pressure to low pressure systems
 |
| Level 3 |
| * Variable Rate Irrigation w/ Variable Frequency Drive
 |
| * End Gun Removal w/ Low-Pressure End of Pivot Retrofit
 |
| * Conservation tillage with cover crops
 |
| * Implementing sod-based rotation without cattle
 |
| * Plant a mixture of grasses, legumes, and brassica cover crops when no crops are growing (i.e., winter [SRWMD] or summer [SJRWMD])
 |
| Level 2 |
| * Weather Station w/ ET Measurements
 |
| * Self-reporting using Flow Meters
 |
| * Variable Rate Irrigation
 |
| * Conservation tillage without cover crops
 |
| * Plant at least one cover crop in periods when no crops are growing (i.e., winter [SRWMD] or summer [SJRWMD])
 |
| * Use of soil amendments that increase water holding capacity of soil(s)
 |
| * Plant area covered by center pivot end guns in a crop that doesn’t need irrigation (i.e., grass, pine trees, etc.) so the end guns would not be needed
 |
| Level 1 |
| * Automated Rain Shut-off Valves
 |
| * Automated Pressure Shut-off Valves
 |
| * Retrofit irrigation system to more efficient drops or sprinklers
 |
| * Adjust end guns in accordance with MIL evaluation report
 |
| * Irrigate in mornings/evenings when temperature is cooler and/or when winds are relatively low
 |
| * Shade Cloth in lieu of Irrigation for Heat Stress
 |
| * Precision Land Grading
 |