

**EMERGENCY WATER SUPPLY PROCEDURES
ADOPTED NOVEMBER 2020**

Meridian Metropolitan District Emergency Water Supply Procedures

The purpose of this document is to provide a guide for dealing with water shortages at Meridian due to excessive demand during drought periods or supply shortfalls due to system malfunctions. Meridian Metropolitan District will continue to implement system improvements, increase water supply, and improve system resiliency, to reduce the need to implement these restrictions.

Meridian will follow a program of progressive restrictions to assure a reasonable balance between supply and demand in such situations. These restrictions will of necessity give priority to potable drinking water continuity to buildings vs. irrigation of landscaping, the one exception is that the Meridian Golf Club, due to the nature of its business, will receive priority in terms of being allowed to sustain reasonable irrigation usage; provided however that in no event will potable supplies be curtailed to allow continued irrigation.

Phase I:	Status:	Normal Operating Conditions
	Objective:	Maintain Normal Operations
	Targets:	Limit reuse irrigation use to amounts needed to maintain target lake/pond levels throughout the year.

Meridian will follow good water conservation practices through the following means:

- Adopt and regularly update a state approved Water Conservation Plan.
- Reuse or recycling of wastewater for irrigation where allowable by law.
- Promulgation of landscape design standards to achieve target irrigation allotments through the Meridian Design Control Committee.
- Use of a progressive water rate schedule wherein rates are increased for excessive usage over designated allotments, including termination of service for flagrant disregard of same.
- Use of an “allotment” for both potable and irrigation water usage based on normal demands.
- Annual correspondence with property owners that greatly exceed designated allotment advising them of allowable operating parameters.

Phase II:	Status:	High Potential of Excessive Irrigation Demand Due to Climate Conditions
	Objective:	Avoid Mandatory Use Restrictions Due to Excessive Demand
	Target:	Limit reuse irrigation use amounts needed to maintain Irrigation Reservoirs levels above 135 AF.

- Issuance of an **irrigation alert** to all customers asking for voluntary cooperation in irrigation practices including three-day watering cycles, night irrigation, and rain adjustments.
- District initiates three-day cycle on medians and park areas; limited irrigation in I/25 interchange and designated native areas; posts “well-irrigation” signage on heavily traveled streets with median landscaping. Delay any scheduled District landscaping installations until after August.

Phase III: Status: High Potential of Irrigation Reservoir Shortage (i.e., Less than 100 AF Storage Balance in Irrigation Reservoirs)

 Objective: Avoid Potential for More Severe Irrigation Cutbacks

 Target: Achieve 20% Reduction in Peak Day Irrigation Demand

- Issuance of a notice of **mandatory irrigation restrictions** including a three day per week allowable watering cycle, maximum 15-minute cycles; restricted nighttime only irrigation hours (6 p.m. – 6 a.m.); progressive fines for violations.
- Notices will be posted on the website and mailed to all customers and HOAs. District personnel will call the 15 largest reuse water customers to ensure receipt. A notice will also be included in the next water bill notice section.
- Increased patrol for violations by District personnel.
- Shut-off of irrigation pumping station outside allowable hours if lack of compliance is evident.
- Issuance of irrigation advisory to Golf Course; request voluntary cooperation on water conservation.
- Minimize use of “construction” water by contractors.
- District same as Stage II; also stops irrigation of I/25 interchange and designated native areas; restricts watering in parks to 2 days/week.

Phase IV: Status: Reservoir Storage Falls Below 100 AFT Storage

 Objective: Avoidance of Termination of Irrigation

 Target: Achieve 50% Reduction in Peak Day Irrigation Demand

- Issuance of a notice of a **more stringent mandatory irrigation restrictions** including two day/week allowable watering cycle; in addition to all Phase III provisions.
- Notices will be posted on the website and mailed to all customers and HOAs. District personnel will call the 20 largest reuse water customers to ensure receipt. Notices will be emailed to all customers that have provided the District with an email address. A notice will also be included in the next water bill notice section.
- Terminate use of water for decorative fountains; delay new landscape installations.

- Mandatory April 15 Startup / October 15 Irrigation Shutdown.
- Increase fine levels for violations, including termination of irrigation service for continued noncompliance.
- Issuance of irrigation notice to Golf Course of mandatory reductions on watering of driving range, practice holes and any native areas.
- District goes to same restrictions including termination of irrigation in parks.

Phase V: Status: High Potential for Potable Service Cutbacks

Objective: Avoidance of Potable Service Cutbacks

Target: Achieve 100% Termination Irrigation

- Termination of all irrigation services*
- Terminate use of water for new construction.
- Restrict Golf Course to irrigation of critical landscaping to sustain golf play; use pump station shutoff to control.
- Notices will be posted on the website and mailed to all customers and HOAs. District personnel will call all customers and HOAs to ensure receipt.

Phase VI: Status: Interruption of Potable Service

Objective: Sustain Fire Protection Capacity; Then Keep Residential and Crucial
Commercial Properties Operational

Target: Sustain 3.0MG Level in Storage Tank

- Telephone alert to Fire District.
- Notices will be posted on the website and mailed to all customers and HOAs.
- 24-hour communication availability to assure property owner access to service restoration status.
- Termination of irrigation service to the Golf Course.

*Potable irrigation is required in residential areas and can account for 30-50% of Meridian's potable demand during the irrigation season.