
Flow Rate Limitations & Diversion Control

1. Maximum Allowable Flow Rate

Each shareholder/customer shall be assigned a **maximum allowable instantaneous flow rate (GPM)** based on their proportional water right, point of diversion, and system capacity as determined by UVWUA.

At no time shall a user divert water in excess of their assigned maximum flow rate, regardless of pump capacity or system configuration.

Compliance shall be determined solely by measured flow rate as recorded by the approved measurement system.

2. Pump Capacity vs. Authorized Use

Pump size or mechanical capacity shall not constitute authorization to divert water at that rate.

All diversion systems, regardless of installed pump capacity, must be operated in a manner that does not exceed:

- The assigned maximum flow rate (GPM), and
- The total allocated water volume

Users with pumps exceeding their authorized flow rate shall be required to implement flow control measures to ensure compliance.

3. Required Flow Control Measures

Where installed pump capacity exceeds the authorized flow rate, the user shall install and maintain one or more of the following approved flow control methods:

- Manual or automated control valves
- Variable Frequency Drives (VFDs)
- Orifice plates or flow restriction devices
- Other UVWUA-approved flow regulation technologies

All control measures must be capable of maintaining flow within the authorized limit under all operating conditions.

UWUUA reserves the right to require specific control methods where necessary to ensure compliance.

Low Allocation & Storage Requirements

1. Minimum Operational Flow Limitation

UWUUA recognizes that certain allocated flow rates may be insufficient to operate conventional irrigation systems, including but not limited to sprinkler systems.

The inability to operate a specific irrigation system due to low allocation shall not constitute grounds for exceeding authorized diversion limits.

2. Storage Requirement for Low Flow Allocations

Any user whose allocated flow rate is insufficient to operate their intended irrigation system shall be required to implement a **water storage system** or alternative method to remain in compliance.

Approved solutions include, but are not limited to:

- Above-ground or below-ground storage tanks
- Reservoirs or holding ponds (where permitted)
- Other UWUUA-approved storage or buffering systems

These systems shall allow water to be diverted at the authorized rate and stored for later use at higher discharge rates.

3. Responsibility for System Design

It is the sole responsibility of the shareholder/customer to design, install, and maintain an irrigation system compatible with their allocated water right.

UWUUA shall not be responsible for:

- System limitations

- Inadequate flow capacity for irrigation methods
 - Costs associated with system modification or storage implementation
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4. Prohibition of Unauthorized Flow Increase

Under no circumstances shall a user increase diversion rates above their authorized limit for the purpose of operating irrigation equipment, including sprinkler systems.

Temporary increases in flow rate, regardless of duration, shall be considered a violation of this standard.

Compliance & Enforcement

1. Determination of Compliance

Compliance shall be determined using recorded data from approved measurement systems, including:

- Instantaneous flow rate (GPM)
- Totalized volume

Exceedance of either parameter shall constitute non-compliance.

2. Corrective Action

Upon identification of non-compliance, UVWUA may require immediate corrective action, including:

- Installation of flow control devices
- Modification of system configuration
- Implementation of storage systems

Failure to comply may result in enforcement actions, including fines, restriction of service, or suspension of diversion privileges.

3. No Grandfathering

Existing infrastructure, including oversized pumps or incompatible irrigation systems, shall not be exempt from compliance with this standard.

All users, regardless of installation date, must meet current requirements.
