

How Is Water Reuse Regulated?



Colorado Water Quality Control Commission Reclaimed Water Control Regulation (Reg. No. 84) for nonpotable (purple pipe) uses (5 CCR 1002-84)

Colorado Primary Drinking Water Regulations – would cover potable uses (5 CCR 1002-11)

City and Water Provider Code, Standards, and Requirements

e.g., Denver Water Engineering Standards and Operating Rules, Colorado Springs Utilities Water Line Extension and Service Standards



Q. Who is regulated under Reg. 84?





A. Treaters and users of reclaimed water.

GOAL: Protection of Public Health and Environment through:

Water Quality Standards

Conditions for Use

Monitoring and Reporting

States with No Reuse Regulations or Guidance

States with Nonpotable Reuse Regulations or Guidance

STATE

States with both Nonpotable Reuse and Indirect Potable Reuse Regulations or Guidance

States Undergoing Direct Potable Reuse Related Efforts

Why Don't We Just Reuse **EVERY DROP?**

Regulatory and compliance programs are underfunded at the state level

Water in Colorado is primarily reused through direct reuse, augmentation,

EXISTING APPROVED USES IN COLORADO UNDER REGULATION 84

- Landscape irrigation
- **Evaporative/non-evaporative industrial processes**
- Non-discharging construction and road maintenance
- Certain types of vehicle washing
- Commercial laundries
- Wash water applications

Reuse infrastructure and treatment can be expensive

or exchange

The ability to reuse supplies can be influenced by spatial and temporal factors such as:

- basin configuration
- location and type of water infrastructure
- river exchange potential
- location and timing of demands

Not all water can be legally reused. Colorado Water Law limits "reusable water" to:
transbasin diversions
transferred consumptive use (typically agricultural supplies)

nontributary groundwater
other decreed reuse supplies



- Zoo operations
- Non food crop irrigation and silviculture

NEW USES BEING EVALUATED IN COLORADO

Edible crops including marijuana growing

Toilet flushing

POTENTIAL FUTURE USES IN COLORADO

Direct Potable Reuse