

CHAPTER 5

Water Management Measures

This chapter lays out a comprehensive framework for how the Kyle Canyon Water District will implement proactive demand reduction measures to ensure appropriate response actions throughout the various operating stages.

This Plan anticipates what can be done in the early stages of concerned and moves through increasingly more complex critical and emergency operating stages. The following section describes tools and techniques that can assist the community in modifying water demands to meet available supplies. Because the demand response from a tool or technique may vary depending on specific conditions, additional tools or techniques may be required to achieve needed effects. For this reason, the chapter is not meant to be exhaustive, but is intended as a tool to help the Kyle Canyon Water District and community members better coordinate efforts to regain the levels of conservation necessary to meet water demands.

Landscape Watering Restrictions

Sprinkler Irrigation:

The landscape-watering schedule shown below will be implemented to help ensure that sprinkler irrigation demands are distributed evenly on the water system and to provide adequate resting periods for well recovery. The schedule assigns residents watering days based on the last digit of their property address. As stages are increased from Concerned to Critical, to Emergency, more stringent sprinkler watering restrictions become effective.

LANDSCAPE WATERING SCHEDULE

Spray/Sprinkler Irrigation

Address	Concerned	Critical	Emergency
<p>Addresses that end in even numbers (0, 2, 4, 6 and 8)</p> <p><i>No irrigation from Noon to 7 p.m. May 1 – Oct. 30</i></p>	<p><u>Spring/Fall</u> <i>May – June</i> <i>September till 1st freeze</i> 1 day/wk Monday</p> <p><u>Summer</u> <i>July – August</i> 2 days/wk Monday and Thursday</p>	<p><u>Spring/Fall</u> <i>May – June</i> <i>September till 1st freeze</i> 1 day/wk Thursday</p> <p><u>Summer</u> <i>July – August</i> 1 day/wk Thursday</p>	<p>No Outdoor Irrigation.</p>
<p>Addresses that end in odd numbers (1,3, 5, 7 and 9)</p> <p><i>No irrigation from Noon to 7 p.m. May 1 – Oct. 30</i></p>	<p><u>Spring/Fall</u> <i>May – June</i> <i>September till 1st freeze</i> 1 day/wk Tuesday</p> <p><u>Summer</u> <i>July – August</i> 2 days/wk Tuesday and Friday</p>	<p><u>Spring/Fall</u> <i>May – June</i> <i>September till 1st freeze</i> 1 day/wk Tuesday</p> <p><u>Summer</u> <i>July – August</i> 1 day/wk Tuesday</p>	<p>No Outdoor Irrigation</p>

Water Management Measures (Cont.)

Watering Timers for Irrigation Systems:

The following measures will help to ensure that the most efficient application of water to landscape is achieved, and to reduce the likelihood of over watering, which contributes to water waste:

- š Equip irrigation systems, including subsurface and hose attachment (oscillating, pulsating, rotary and/or impulse) sprinklers, with a watering timer
- š Set timers for a maximum watering time of 15 minutes per area
- š Manually reset timers in 15-minute increments if additional water is necessary

Watering duration may vary, depending on the type of sprinkler used. Most subsurface and hose attachment sprinklers produce high water flows, which can significantly reduce the total watering time needed. Oscillating or fan sprinklers are less efficient and may require the maximum watering duration.

Hand Watering:

Demands on the water system are higher on weekends than during mid-week. For this reason, the potential for a well failure or inadequate supply is more likely to occur during this time.

The following measures for hand watering will help to ensure that basic domestic needs are met:

- š Use a positive shut-off spray nozzle that is manually controlled at all times
- š No unattended hand-watering (for example, running hose or sprinkler attachment)
- š Hand-water at any time of the day, for any duration on weekdays (Monday – Friday)
- š Limit hand watering to one day on the weekends (Saturday *or* Sunday)
- š No hand-watering during emergency operating conditions

Surface, Building, Equipment and Vehicle Washing:

Critical and emergency are considered the most severe operating conditions. If operations reach the critical stage, all unnecessary water use must be minimized to the greatest extent possible. This will serve to minimize the potential for more severe, or emergency, operating conditions. When operating conditions reach the emergency stage, some form of system failure has occurred. For this reason, the following measure will be implemented:

Surface, Building and Equipment Washing:

- š No surface, building and equipment washing during critical and emergency operating stages.

Vehicle Washing:

- š Limit vehicle washing to one time per week during the concerned operating stage
- š Use a positive shut-off nozzle.
- š No vehicle washing during critical and emergency operating stages.