

Harris Springs Ranch Water System

Water Conservation Plan

Background / System Information

The Harris Springs Ranch public water system (PWS NV0001080) serves customers within the ranch. The total service area is approximately 0.0121 square miles. The estimated population served is 56.

The system is located in the Las Vegas Valley. Water is supplied from a drilled well using a submersible pump equipped with variable speed drive motors. Above-ground storage consists of a 10,000 gallon reservoir. Full-time Chlorine disinfection system is in place. Wastewater collected from the area is managed by a single septic system.

Plan Elements

This plan describes the drinking water conservation and drought management efforts in the Harris Springs Ranch PWS, along with implementation schedules. The plan components conform to Nevada regulations as outlined by the Nevada Department of Conservation and Natural Resource, Division of Water Resources and NRS 540.141. Plan elements address the following areas:

- Increase public awareness of the need to conserve water.
- Encourage reduction in lawn sizes and use of arid and semiarid plants.
- Identify specific water conservation measures.
- Propose plan to identify and reduce leakage.
- Increase reuse of effluent where applicable.
- Provide a drought contingency plan.
- Implementation schedule.
- Plan effectiveness metrics.
- Variable pricing analysis.

Public Awareness

The Harris Springs Ranch efforts to enhance public awareness of the need to conserve water include the following:

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- Reminding our residents and employees the importance of saving water.
- Posting signs around water usage areas promoting water conservation.
- Informing all new residents of the water policies.

Lawn Sizes and Use of Arid and Semiarid Plants

Harris Springs Ranch has no outside irrigation or landscaping to take care of.

Specific Water Conservation Measures

All buildings are required to be in compliance with Clark County building code. Clark County has adopted the UPC standards requiring low flow water outlets and faucets. As such Harris Spring Ranch has converted all water outlets and faucets to approved low-flow appliances.

Reducing Leakage

Harris Springs Ranch PWS will visually inspect the system weekly to help ensure that any leaks are fixed quickly.

Reuse of Effluent

There are currently no plans for Harris Springs Ranch to adopt a water waste treatment system.

Drought Contingency Plan

Nevada is an arid state and Clark County is continuing to grow and water requirements are increasing. The area is subject to drought cycles; therefore, it is necessary to have a drought contingency plan. The objective of our plan is to manage the available resources to insure continued supply of potable water during periods of drought. We monitor water levels at our Well Sites and record the information. We work with other local water purveyors, such as Water Pros, to insure adequate supplies are available.

When the Harris Springs Ranch has found that a water scarcity condition exists or is likely to exist and has proclaimed the existence of a drought or emergency condition, it shall also take the necessary precautions to save water. Such actions include encouraging residents to decrease the amount of water they use each day by turning off the sink when it's not needed, taking

shorter showers and baths, and paying attention to faucets and look for drips and leaks.

If drought conditions near emergency status, or are in a state of emergency, such as wild fires or extreme weather conditions, evacuation of the facility may be required. In such an event refer to the Emergency Response Plan for appropriate actions.

Implementation Schedule

System inspection is an ongoing process. Besides weekly inspections, there are no plans for the Harris Springs Ranch PWS to be implemented.

Plan Effectiveness Metrics

By comparing current-year usage to historical-year usage, water saving effectiveness can be measured. If current-year usage is less than historical-year usage, then the conservations measures have succeeded.

Just taking in to account the replacement of the restroom fixtures with efficient fixtures is expected to save 13.5 gallons per person per day. And assuming each resident lives at the ranch year 'round, the expected water savings is about 4800 gallons per person per year.

Variable Pricing Analysis

The nature of the Harris Springs Ranch PWS does not allow for variable pricing when it comes to water usage. Residents of the Harris Springs PWS are not charged for the water they consume.