

Spring Mountain Youth Camp Water System

Water Conservation Plan

Background / System Information

The Spring Mountain Youth Camp public water system (PWS NV0000292) serves customers within the town and adjacent county areas. The total service area is approximately 0.186 square miles. The population served is 100.

The system is located in the Las Vegas Valley. Water is supplied from a stream. Above-ground storage consists of a 600,000 gallon reservoir. Full-time disinfection has proven necessary and is in practice. Wastewater collected from the area is managed through a septic system.

Plan Elements

This plan describes the drinking water conservation and drought management efforts in the Spring Mountain Youth Camp, 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 Spring Mountain Youth Camp efforts to enhance public awareness of the need to conserve water include the following:

RECEIVED
2014 SEP 25 AM 10:47
TATE ENGINEERS OFFICE

- 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

The Spring Mountain Youth Camp encourages the public to practice scientific turf management, makes literature and resources such as the Turf Institute, available to customers. System-owned and public turf areas are scientifically managed. Local nurseries are encouraged to promote the use of drip irrigation and climate-appropriate plant materials.

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 Spring Mountain Youth Camp has converted all water outlets and faucets to approved low-flow appliances.

Reducing Leakage

Spring Mountain Youth Camp PWS will inspect the system monthly to check for possible leaks and proper function. This will allow any found leaks or damage to be repaired in a timely manner.

Reuse of Effluent

There are currently no plans for Spring Mountain Youth Camp 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 Spring Mountain Youth Camp 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 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

Monthly inspection of the system is an ongoing process. Aside from inspection, there is nothing to be schedule for implementation.

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 camp year 'round, the expected water savings is about 4800 gallons per person per year.

Variable Pricing Analysis

The nature of the Spring Mountain Youth Camp PWS does not allow for variable pricing when it comes to water usage. Residents of the Spring Mountain Youth Camp PWS are not charged for water usage.