

NEVADA DEPARTMENT OF TRANSPORTATION
DISTRICT III

BUTTON POINT REST AREA RP808
WATER CONSERVATION PLAN
2014

Compiled by Nevada Department of Transportation Staff
District III
1951 Idaho Street Elko, NV 89801

Introduction:

The Nevada Department of Transportation (NDOT) District III Button Point Rest Area is located on I-80 (approximately federal mile marker 187); north of the freeway (westbound) and east of the Button Point interchange. The well is near the westbound exit ramp from I-80. A well pump was replaced in May of 2011. The meter is a Sensus model. The well meter indicates as of June 2014, 31,286,400 gallons have been pumped to date. A water line routes from the well to the island lawn area and another water line routes underneath the access roads and parking lot to the rest area tank room. There are three (3) pressure tanks providing 75 psi to the domestic and irrigation systems at the rest area, which includes an Auqua Pure 820 water filter after the well and before the pressure tank system.

The well was tagged by the Nevada State Health Division and is labeled PWS #NV0001054 Source #W01. The well was last serviced in May of 2011. Water is used for restroom facilities, irrigation, and RV dump stations. The water systems at the rest area facilities are categorized as Transient Non-Community Water Systems. The rest areas are maintained by NDOT and independent service providers. The service providers are hired by NDOT and they provide janitorial and maintenance services.

The area has a men's and women's restroom. The men's room includes wall mounted flushing toilets (2) and wall mounted flushing urinals (2). The women's room includes wall mounted flushing toilets (3). Toilets and urinals are equipped with push button to flush. The toilets also have sensor-flush mechanisms. Each restroom has wall mounted sinks (2) with motion sensors set at approximately 3 seconds. The rest area has exterior drinking fountains (3) and a drinking fountain at the rest area building.

The rest area has a RV septic dump system. A frost free hydrant is installed outside the facility building.

The irrigation system is a sprinkler system which provides water to 41 deciduous trees and three bushes throughout the rest area. Two (2) lawn areas are also serviced by the sprinkler system. The island lawn area (approximately 21,800 square feet) is watered five times a week, once a day, Tuesday, Wednesday, Friday, Saturday and Sunday starting at 10:00 p.m. Each section is watered using electric controllers at intervals of 45 minutes for each section, with a total of four sprinklers. The rest area lawn area (approximately 20,700 square feet) is also watered five times a week, once a day, starting at 2:00 a.m. Tuesday, Wednesday, Friday, Saturday and Sunday. There are five sprinklers in lawn area 2. There is no drip system at the rest area.

Signage indicates to travelers that maximum stay is 18 hours. No fee is associated with the direct use of water.

Rest areas are open 24 hours a day, but not manned. A janitorial/maintenance service provider is scheduled to clean, perform minor maintenance, and monitor the sites twice daily.

No effluent water is used at the sites. All waste water goes into septic tanks and then into leach fields.

Public Education:

Maintain signage on bulletin boards at the rest areas to encourage water conservation.

Conservation Measure/Management of Water:

NDOT staff and service providers monitor fixtures and irrigation systems for unnecessary usage. NDOT provides parts for the service provider to perform minor repairs on irrigation systems. NDOT performs all other repairs. NDOT signage indicates the Sub-District Office information, including contact information. The traveling public often reports water related issues, such as running water or damage to the irrigation system, by calling the Winnemucca Sub-District Office.

Irrigation system is disabled during winter months and water fountains are turned off.

Push button fixtures and sensors are used to conserve water.

Drought Contingency:

If the water system fails or well water levels fall below a useable level, the rest areas are closed to the traveling public until it is appropriate to reopen.

The irrigation system stays on to provide limited water to vegetation.

Schedule for Carrying Out the Conservation Plan:

Maintain signage on bulletin board to encourage users to conserve water.

Continue to execute current practices and update fixtures and systems as necessary to maintain facility and conservation plans.

This water conservation plan will be available to any interested parties at the NDOT District III Sub-District Administration Offices.