

NEVADA DEPARTMENT OF TRANSPORTATION
DISTRICT III

BOWAWE REST AREA RP802
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 Beowawe Rest Areas are located on I-80; one on the north side of the freeway (westbound) and the other on the south side (eastbound). The well that serves both areas is located on the north side of the westbound onramp to I-80. At approximately federal mile marker 258 is a well casing that serves the Chlorine Treatment Building. The flow meter is located underground near the well head.

The well was tagged by the Nevada State Health Division and is labeled PWS #000221 Source #W01. The well was last serviced in 2002. It provides water to a directly adjacent 10,000 gallon storage tank (below grade) that serves the Chlorine Storage Tank Building where a 1500 gallon pressure tank is located.

Water lines route from the Chlorine Treatment Building to the westbound rest area building and underneath I-80 to the eastbound rest area building. These provide for the domestic and irrigation systems at both rest areas.

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 System. 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.

Each 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 (4). Toilets and urinals are equipped with push button to flush. Each restroom has wall mounted sinks (3) with push button timers set at approximately 3 seconds. Each rest area has exterior drinking fountains (3).

Both rest areas have a RV septic dump system. Frost free hydrants (4) are installed outside the facility buildings.

The irrigation systems are drip emitters which provide water to 71 trees at the eastbound area and 76 trees at the westbound area. There are no lawn areas at either 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. Septic tanks are pumped at regular intervals.

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 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 District Office.

Irrigation system is disabled during winter months. Water fountains and frost free hydrants are turned off.

Push button fixtures 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 is turned off as it is an integral part of the water system.

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.