



FACT SHEET

(Pursuant to NAC 445A.874)

Permittee Name: Truckee Meadows Water Authority
 Permittee Address: 1355 Capital Blvd. Reno, Nevada 89520
 Project Name: Basin 88 ASR Program, South Truckee Meadows
 Permit Number: UNEV2016200
 Injection Wells (#): Six (6)
 Well Subclass: 5R33
 Type of Project: Aquifer Storage & Recovery Permit Action: New Permit

A. Description of Injection well

Location: Sections 2 and 3 T17N. R19E. and Sections 35 T18N. R19E. MDB&M Washoe County, Nevada.

Well Construction:

Well Name/No.	Seal	Total Depth	Screen Interval	Water Levels (2015)	Proposed Rate - gpm
Tessa East	157'	715'	440-540', 560-710'	300'	1000 gpm
Tessa West	100'	780'	400-620', 640-760'	353'	1500 gpm
Mt Rose 2	Unk	200'	100-200'	77'	100 gpm
Mt Rose 3	100'	223'	120-210'	75'	300 gpm
Mt Rose 5	100'	802'	402-780'	311'	3000 gpm
Mt Rose 6	100'	750'	540-740'	375'	900 gpm

Injectate Characteristics: All injectate will be surface water treated through TMWA's drinking water treatment plants and municipal water distribution system; some pumped ground water may be in distribution system during the injection cycle. Proposed rates will be 400 - 800 gpm. The TDS of the injectate is 140 mg/l, chloride = 11 mg/l, sulfate = 23 mg/l, magnesium = 4.9 mg/l, sodium = 20 mg/l; and meets all drinking water standards for the constituents tested.

Receiving Water Characteristics: For wells in this area, the quality of the receiving groundwater aquifer meets all drinking water standards. TDS = 140-190 mg/L, chloride = 1-5 mg/L, sulfate = 2 mg/L, magnesium = 2-13 mg/L, sodium = 9-12 mg/L, barium = 0.054 mg/L. Arsenic and other trace metals are below method detection limits, nitrate < 1.0 mg/L.

Wellhead Protection Areas

All wells are municipal water well is a water supply well, thus this well has its own protection area.

Y Injection well/Facility within a 2-, 5-, or 10-year ground water protection area

Y Injection well/Facility within 7000-foot buffer zone for any public water supply well

B. Synopsis of Project

The project area is located south of Mt. Rose Hwy in the Callahan Ranch Road area. TMWA is requesting six (6) existing production wells be used for recharge purposes. These wells will be produced in the dry months and recharged in the wet months. The purpose of TMWA's aquifer storage and recovery (ASR) program is to store water that is extracted from the Truckee River, treated at the drinking water treatment plant, and conveyed via the distribution system. Injection periods will vary depending on system demand and weather, but will usually operate from October through April. Injection rates will occur at the rates shown above in the table.

Assuming only treated surface water (vs groundwater) is injected, the closest chlorine treatment point would be at the Chalk Bluff Treatment Facility.

C. Proposed Effluent Limitations and Special Conditions

Refer to Part I.A of the permit.

E. Rationale for Permit Requirements

The permit conditions will help to ensure that the injectate does not adversely affect the existing water quality or hydrologic groundwater regime. Verification will be performed to ensure that injected fluid quality remains constant and meets drinking water standards. In particular, NDEP is concerned recharge projects do not create chlorinated organics in the ground water due to the chlorination treatment of injected water.

E. Proposed Determination

The Division has made the tentative determination to issue the permit.

F. Procedures for Public Comment

The Notice of the Division's intent to renew the permit authorizing the facility to discharge to the ground water of the State of Nevada subject to the conditions contained within the permit, was sent to the *Reno Gazette-Journal* newspaper for publication no later than September 23, 2015. The notice is being sent to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice.

The comment period can be extended at the discretion of the Administrator. All written comments received during the comment period will be retained and considered in the final determination. A public hearing on the proposed determination can be requested by the applicant, any affected state, any affected interstate agency, the regional administrator or any interested agency, person or group of persons. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings will be conducted in accordance with NAC 445A.238. The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.