

**OFFICE OF THE STATE ENGINEER
STATE OF NEVADA**

PERMIT NO. R-009

**SECOND AMENDED
PERMIT**

**TO ESTABLISH AND OPERATE A PROJECT
TO RECHARGE, STORE AND RECOVER
UNDERGROUND WATER**

PERMITTEE: County of Washoe
P.O. Box 11130
Reno, NV 89520

SOURCE OF WATER: Truckee River (Permit 59765)

ANNUAL QUANTITY: 106.4 Acre-Feet

**LOCATION OF PROPOSED
PROJECT/RECHARGE WELLS:**

1. Golden Valley Wells:

- A. Well No. 1, located within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11, T.20N., R.19E., MDB&M., or at a point from which the N $\frac{1}{4}$ corner of said Section 11 bears North $15^{\circ} 55' 10''$ West, a distance of 2,668.36 feet situated in Washoe County, State of Nevada.
- B. Well No. 3, located within the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11, T.20N., R.19E., MDB&M., or at a point from which the N $\frac{1}{4}$ corner of said Section 11 bears North $84^{\circ} 50' 11''$ West, a distance of 1,249.80 feet situated in Washoe County, State of Nevada.
- C. Well No. 4, located within the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11, T.20N., R.19E., MDB&M., or at a point from which the N $\frac{1}{4}$ corner of said Section 11 bears North $46^{\circ} 01' 43''$ West, a distance of 1,758.98 feet situated in Washoe County, State of Nevada.
- D. Well No. 5, located within the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 2, T.20N., R.19E., MDB&M., or at a point from which the SW $\frac{1}{4}$ corner of said Section 2 bears North $60^{\circ} 24' 06''$ East, a distance of 55.25 feet situated in Washoe County, State of Nevada.

LOCATION OF RECOVERY WELLS:

- 1. Recovery will be from individual domestic wells located within the Golden Valley Artificial Recharge Region, further described as follows:
 - All of Section 11
 - Portions of Sections 1, 2, 3, 9, 10, 12, 13, 14 and 15
 - All within T20N R19E MDB&M

AREA OF ACTIVE MANAGEMENT:

Lemmon Valley Groundwater Basin (Eastern Part), Hydrographic Area No. 7-92B. Described as Section 11 and portions of Sections 1, 2, 3, 9, 10, 12, 13, 14 & 15; T20N, R19E MDB&M. Further described as the Golden Valley Area as depicted on the map within State of Nevada Division of Water Resources, Water Resource Bulletin No. 42. (Plat 1)
(See Permit file for map)

DURATION OF PERMIT:

This permit is issued for an indefinite period, subject to periodic review by the State Engineer.

TERMS AND CONDITIONS OF PERMIT:

1. Before any recharge begins, baseline water samples shall be taken from the injection wells and from the approved monitoring wells no more than one week prior to recharge. These samples shall contain the same water quality constituents as required under item 2B of this section and shall be included in the first quarterly report and in all annual reports.
2. During recharge the following data shall be collected and recorded as follows:
 - A. The amount of water recharged and at which well location on a daily basis.
 - B. The quality of recharge water in terms of chloride; total dissolved solids; and electrical conductivity on a daily basis for the first seven days of recharge and on a monthly basis thereafter.
3. The withdrawal of recharged water will be restricted to individual domestic wells located within the Golden Valley Artificial Recharge Basin.
4. All monitoring wells shall be sampled for chloride, total dissolved solids and electrical conductivity on a monthly basis, except during any recharge period and immediately following any recharge period, when samples shall be collected and recorded for the first seven days and on a monthly basis thereafter.
5. Water level measurements for each recharge well and all monitoring wells shall be taken on a monthly basis, except during any recharge period and immediately following any recharge period, when measurements shall be taken on a daily basis for the first seven days of recharge and on a monthly basis thereafter.
6. Monitoring Wells:

A. The following wells have been authorized as monitoring wells:

Monitoring Well Number	Quarter, Quarter Location (T.20N., R.19E., M.D.B.&M.)
#1	SE ¼ NE ¼ Section 11
#3	SW ¼ NE ¼ Section 11
Puryear domestic Well	NW ¼ NE ¼ Section 11
Kennedy Domestic Well(old)	NW ¼ NE ¼ Section 11

- F. The monitoring wells may be pumped only when it is required to obtain water samples, except in the case of the Puryear domestic well as it will be used on a continuous basis by the homeowner.
- C. The use of any other well, except as stated above, as a monitoring well must be authorized by the State Engineer. The construction of any new monitoring well must be of such a design acceptable to the State Engineer.

7. Collection of data:

For each water quality sample or water level measurement taken pursuant to this permit, the permittee shall record the following information:

- A. The exact place, date and time of sample or measurement;
- B. The dates the analyses were performed;

- C. The person(s) who performed the analyses or measurements;
- D. The analytical techniques or methods used; and
- E. The results of all required analyses and measurements.

If the analysis of the samples is conducted by an independent laboratory the reports shall bare the name of the laboratory with times and dates of analysis and the permittee shall keep accurate documentation of persons performing the analysis and shall submit the documentation to the State Engineer upon request.

8. Recharge and Recovery Amount:

This permit for recharge shall be limited to no more than 106.4 acre-feet in any calendar year. Since this project is NOT for storage or "banking" purposes, there is no recovery constituent to the reporting requirements.

9. Reporting Requirements

Annual Report:

The permittee must file with the State Engineer an annual report as required by NRS § 534.280, which is due no later than January 31st of each year.

Semi-Annual Report:

All monitoring results shall be analyzed, summarized and reported to the State Engineer due no later than July 31st of each year.

10. Additional monitoring by Permittee:

If the permittee collects any other data than required by this permit, using approved analytical methods, the results of these analyses or measurements shall be included in any reports, as specified in item 9, to the State Engineer.

11. The State Engineer shall levy and collect an annual fee from the permittee as prescribed in NRS § 534.310.

12. The State Engineer reserves the right to change, modify or amend the terms and conditions of this permit based on just cause.

IN TESTIMONY WHEREOF, I Hugh Ricci, P.E., State Engineer of Nevada, have hereunto set my hand and the seal of my office for approval of this permit,

this 22 day of August

A.D. 2004



STATE ENGINEER