

OFFICE OF THE STATE ENGINEER  
STATE OF NEVADA

PERMIT NO. R-010

PERMIT

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

**PERMITTEE:** Westpac Utilities, a division of Sierra Pacific  
Power Company  
6100 Neil Road  
Reno, Nevada 89502

**SOURCE OF WATER:** Truckee River

**ANNUAL QUANTITY:** 1,734 Acre-Feet

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

1. Morrill Avenue Well, located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$  of Section 12, T.19N., R.19E., M.D.B.&M., or at a point from which the NE corner of said Section 12 bears North 63° 43' 13" East, a distance of 3,687.11 feet.
2. Poplar Street No. 1 Well, located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$  of Section 8, T.19N., R.20E., M.D.B.&M., or at a point from which the N $\frac{1}{4}$  corner of said Section 8 bears North 10° 49' East, a distance of 2,232.0 feet.
3. Fourth Street Well, located in the NE $\frac{1}{4}$  NE $\frac{1}{4}$  of Section 12, T.19N., R.19E., M.D.B.&M., or at a point from which the NE corner of said Section 12 bears North 51° 26' East, a distance of 348.43 feet.
4. Kietzke Lane Well, located in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  of Section 12, T.19N., R.19E., M.D.B.&M., or at a point from which the W $\frac{1}{4}$  corner of said Section 7 bears South 2° 13' 08" West, a distance of 894.22 feet.
5. Mill Street Well, located in the NW $\frac{1}{4}$  NW $\frac{1}{4}$  of Section 18, T.19N., R.20E., M.D.B.&M., the W $\frac{1}{4}$  corner of said Section 7 bears North 18° 57' West, a distance of 3,072.0 feet.
6. Lakeside Well, located in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  of Section 35, T.19N., R.19E., M.D.B.&M., of which the NE corner of said Section 35 bears North 02° 12' 08" East, a distance of 2,234.40 feet.

**LOCATION OF RECOVERY WELLS:**

The recovery wells are the same as the six recharge wells listed above. The recoverable amount of water under this permit is limited to the amount of water recharged in the specific recharge areas.

**AREA OF ACTIVE MANAGEMENT:**

The Truckee Meadows Groundwater Basin, Hydrographic Area No. 6-87 as described in the State Engineer's Order No. 708, dated March 1, 1978.

**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. Monitoring Wells:

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

<u>Well</u>	<u>Location</u>
<u>For the Fourth Street, Morrill Avenue and Kietzke Lane Wells:</u>	
View Street Well	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6, T.19N., R.20E., M.D.B.&M.
<u>For the Mill Street Well:</u>	
Terminal Way Well	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18, T.19N., R.20E., M.D.B.&M.
<u>For the Lakeside Well:</u>	
Washoe County Well	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36, T.19N., R.19E., M.D.B.&M.
Domestic No. 1 Well	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2, T.18N., R.20E., M.D.B.&M.
Domestic No. 2 Well	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36, T.19N., R.19E., M.D.B.&M.

B. During the recharge and recovery periods, monitoring wells will be pumped only when it is required to obtain water samples.

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.

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 fourteen days of recharge and on a weekly basis thereafter.

3. During recovery the data shall be collected and recorded as follows:

A. The amount of water being pumped from each recovery well on a daily basis.

- B. The quality of water pumped from each recovery well in terms of chloride; total dissolved solids; and electrical conductivity on a daily basis for the first fourteen days of recovery and on a weekly basis thereafter.
- 4. The withdrawal of recharged water will be restricted on a well by well basis. The amount of water injected into a particular well can only be recovered by pumping that particular well.
- 5. The following monitoring wells shall be sampled for chloride, total dissolved solids and electrical conductivity on a monthly basis, except during any recharge or recovery periods when samples shall be collected and recorded on a weekly basis.
  - A. View Street well.
  - B. Terminal Way well.
  - C. Washoe County, Domestic No. 1 and Domestic No. 2 wells.
- 6. Water level measurements for each recharge well, recovery well and all monitoring wells shall be taken on a monthly basis, except during any recharge or recovery periods, when measurements shall be taken on a daily basis for the first fourteen days of recharge or recovery and on a weekly basis thereafter.
- 7. Information shall be provided on the pumping schedule of Westpac Utilities wells in the immediate area of the recharge project sites prior to, during, and after recharge or recovery.
- 8. 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.
9. Reporting:
- All monitoring results shall be analyzed, summarized and reported to the State Engineer within 30 days from the end of each calendar quarter. The first is due no later than January 31, 1995.
10. Recharge and Recovery Amount:

This permit for recharge shall be limited to the amount the State Engineer determines to be recoverable but no more than 1,734 acre feet in any calendar year. The amount recovered during any calendar year shall not exceed the amount established by the State Engineer in the storage account for this project.

11. 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 8, to the State Engineer.

12. Annual Report:

The permittee must file with the State Engineer and Truckee Carson Irrigation District an annual report as required by NRS 534.280. The first annual report for calendar year 1994 shall be due no later than January 31, 1995. Each subsequent annual report will be due no later than January 31 of each year.

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

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

15. Static water levels at the Morrill Avenue, Fourth Street and Kietzke Lane injection wells shall not be allowed to rise within 20 feet of land surface.

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

this 20th day of APRIL  
A.D. 1994  
R. Michael Turnipseed, P.E.  
STATE ENGINEER

WITHDRAWN BY APPLICANT DEC 24 2001  
Justici, P.E. R  
STATE ENGINEER