



THE STATE OF NEVADA

PERMIT TO CHANGE THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Name of Permittee: **GUISTI INVESTMENTS, LLC, ½ UDI, JUDITH L. HARVEY,
¼ UDI AND KAREN BERNICE THOMPSON, ¼ UDI**

Source: **HOT AIR WELL # 4 (GEOTHERMAL)**

Basin: **TRUCKEE MEADOWS**

Manner of Use: **INDUSTRIAL**

Period of Use: **JANUARY 1ST TO DECEMBER 31ST**

Priority Date: **06/08/1990**

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit, to change the place of use of the waters of an underground source as heretofore granted under Permit 41824, is issued subject to the terms and conditions imposed in said Permit 41824 and with the understanding that no other rights on the source will be affected by the change proposed herein. This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will depend upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease in reservoir pressure and heat. The well shall be constructed and maintained to prevent any waste of the geothermal fluid above or below the surface. The producing well discharge shall be closely monitored and recorded. The amounts of fluid injected back to the reservoir shall also be monitored and recorded to determine the total annual diversion and consumption for beneficial use.

The annulus of any well drilled under this permit is to be cemented from the top of the producing or injection interval to surface to prevent waste and to prevent any communication with fresh ground water. Only geothermal waters are to be diverted under this permit and the cooled geothermal fluids are to be returned to the source via the injection well.

This permit does not relieve the operator of the requirements of any other state, local or federal agency. This permit does not extend the permittee the right of ingress or egress on public or private lands.

An annual report that documents the amounts of fluids produced, injected and/or consumed shall be filed under this permit not later than on January 31 of the year following the reporting year. Any exploration and subsurface information obtained as a result of this project shall be kept confidential pursuant to Chapter 534A.031 of the Nevada Revised Statutes (NRS).

(Continued on Page 2)

The total withdrawal of geothermal fluid under this permit shall be limited to 7,240 acre-feet per year. This permit allows for a total consumptive use of the geothermal fluid that shall not exceed 10% of the amount produced annually. The State Engineer reserves the right to make findings regarding the consumptive use of the geothermal fluid under this permit and impose additional conditions thereto.

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The total combined duty of water under Permits 41821, 41822, 41823, 41825, 41826 and Permit 63534 shall not exceed 7,240 acre-feet annually and the consumptive use of the geothermal fluid shall not exceed 10% of the amount produced annually.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The point of diversion and place of use are as described on the submitted application to support this permit.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, **and not to exceed 10.0 cubic feet per second and the consumptive use shall not exceed 724 acre-feet annually.**

Work must be prosecuted with reasonable diligence and proof of completion of work shall be filed on or before:

N/A

Water must be placed to beneficial use and proof of the application of water to beneficial use shall be filed on or before:

December 29 2016

Map in support of proof of beneficial use shall be filed on or before:

N/A

IN TESTIMONY WHEREOF, I, JASON KING, P.E.,

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 29th day of December, A.D. 2011

J. King, P.E.
for State Engineer

Completion of work filed July 26, 2007 under 41824 _____

Proof of beneficial use filed _____

Cultural map filed _____

Certificate No. _____ Issued _____

AMENDED

ASSIGNED
NO. 63534

**APPLICATION FOR PERMISSION TO CHANGE POINT OF
DIVERSION, MANNER OF USE AND PLACE OF USE OF THE
PUBLIC WATERS OF THE STATE OF NEVADA
HERETOFORE APPROPRIATED**

Date of filing in State Engineer's Office OCT 27 1997
Returned to applicant for correction DEC 03 1997
Corrected application filed DEC 12 1997
Map filed DEC 17 1997

The applicant Peter G. Guisti, Bernice C. Guisti, Judith Harvey and Karen Mardian, hereby make application for permission to change the Place of Use of water heretofore appropriated under Permit 41824

1. The source of water is Underground
2. The amount of water to be changed 10.0 cfs
3. The water to be used for Industrial and Domestic
4. The water heretofore permitted for Industrial and Domestic
5. The water is to be diverted at the following point Hot Air Well #4 in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 29, T18N, R20E, MDM, at a point which bears South 17⁰ 44" East a distance of 1060 feet to the Southeast corner of said Section 29.
6. The existing permitted point of diversion is located within
7. Proposed place of use Portions of SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, the E $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 29, S $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, portions NW $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ and the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 28, T18N, R20E, MDM.
8. Existing place of use W $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 29, T18N, R20E, MDM.
9. Use will be from January 1 to December 31 of each year.
10. Use was permitted from January 1 to December 31 of each year.
11. Description of proposed works Geothermal fluids will be pumped from a drilled well to the heat exchanger located within the place of use. The spent geothermal fluids are then reinjected into the same aquifer.
12. Estimated cost of works \$200,000
13. Estimated time required to construct works 1- $\frac{1}{2}$ years
14. Estimated time required to complete the application of water to beneficial use 3- $\frac{1}{2}$ years
15. Remarks: This application is being filed to change, by expansion, the place of use under base Permit 41824. With this permit being granted, and the statutory termination of temporary Permit 63288, permittee will be able to utilize geothermal resources on the expanded area. The expanded area is owned in part by parties other than

63534

permittee, but for which geothermal leases exist. Permittee's geothermal resources may be utilized and commingled anywhere within the proposed place of use, as authorized by the underlying geothermal leases.

By Harry R. Ericson, P.L.S.
s/Harry R. Ericson
950 Industrial Way
Sparks, Nevada 89431

Compared my/cms _____

Protested _____

_____ OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions: