



THE STATE OF NEVADA

PERMIT TO APPROPRIATE WATER

Name of Permittee: SOUTHERN NEVADA WATER AUTHORITY
Source: UNDERGROUND
Basin: CAVE VALLEY
Manner of Use: MUNICIPAL AND DOMESTIC
Period of Use: JANUARY 1ST THROUGH DECEMBER 31ST
Priority Date: 10/17/1989

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 is issued pursuant to State Engineer's Ruling No. 6165 dated March 22, 2012.

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins or before the Proof of Completion of Work is filed. The State retains the right to regulate the use of the water granted herein at any and all times.

The well must be sealed with cement grout, concrete grout or neat cement from ground level to 100 feet.

The total combined duty of water under Permits 53987 and 53988 shall not exceed 5,235 acre-feet annually.

This application is granted conditioned upon the applicant's compliance with the approved Hydrologic Monitoring and Mitigation Plan and the Biological Monitoring Plan. Prior to the permittee exporting any groundwater resources from Cave Valley a minimum of two years of hydrologic and biological baseline data shall be collected by the permittee in accordance with these plans. The State retains the right to amend these plans at any time.

The permittee shall update a computer groundwater flow model approved by the State Engineer; once before groundwater development begins, and at a minimum of every five years thereafter, and provide predictive results for 10-year, 25-year and 100-year periods.

Monthly records shall be kept of the amount of water pumped from this well and those records shall be submitted to the State Engineer on a quarterly basis. The permittee shall file an annual report with the State Engineer by March 31st of each year, detailing the findings of the approved hydrologic and biological plans.

(Continued on Page 2)

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

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 6.0 cubic feet per second or 4,344 acre-feet annually.**

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

October // 2017

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

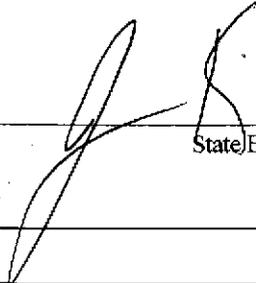
October // 2022

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 11th day of October, 2012



State Engineer P.E.

Completion of work filed _____

Proof of beneficial use filed _____

Cultural map filed _____

Certificate No. _____ Issued _____

**THE STATE OF NEVADA****PERMIT TO APPROPRIATE WATER**

Name of applicant: SOUTHERN NEVADA WATER AUTHORITY
Source: UNDERGROUND
Basin: CAVE VALLEY
Manner of Use: MUNICIPAL
Period of Use: January 1st to December 31st
Priority Date: 10/17/1989

~~APPROVAL~~ OF STATE ENGINEER *Vacated by Court Order 10/19/09*

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 is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins or before the Proof of Completion of Work is filed.

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 53987 and 53988 shall not exceed 4,678 acre-feet annually.

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

This Permit is granted subject to Ruling 5875 and shall include the following:

1. A monitoring program and mitigation program approved by the State Engineer prior to the export of any water.
2. A minimum of two (2) years of biological and hydrological baseline data shall be collected and approved by the State Engineer prior to the Permittee exporting any of the ground-water resources from Cave Valley under Permits 53987 and 53988.
3. After approval of the monitoring program and mitigation plan, the Permittee will file an annual report with the State Engineer by March 15th of each year detailing the findings of the monitoring and mitigation plan.
4. If pumpage impacts existing rights, conflicts with the protectable interests in existing domestic wells as set forth in NRS Section 533.024, threatens to prove detrimental to the public interest or is found to not be environmentally sound the Permittee will be required to curtail pumpage and/or mitigate the impacts to the satisfaction of the State Engineer.

(Continued on Page 2)

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 6.0 cubic feet per second or 4,344 acre-feet annually.**

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

September 19, 2013

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

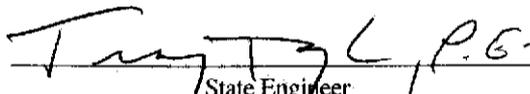
September 19, 2018

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

N/A

IN TESTIMONY WHEREOF, I, TRACY TAYLOR, P.E.,

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 19th day of September, A.D. 2008


State Engineer

Completion of work filed _____

Proof of beneficial use filed _____

Cultural map filed _____

Certificate No. _____ Issued _____

llb

AMENDED

ASSIGNED

APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office... OCT 17 1989

Returned to applicant for correction.....

Corrected application filed..... MAR 19 1990

Map filed..... MAR 22 1990

The applicant Las Vegas Valley Water District, a quasi-minicipal corporation 3700 W. Charleston Boulevard, of Las Vegas Nevada 89153, hereby make S application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)

1. The source of the proposed appropriation is underground basin in Cave Valley, Hydrographic area 180

2. The amount of water applied for is 6.00 cfs second-feet (a) If stored in reservoir give number of acre-feet.....

3. The water to be used for municipal and domestic Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for: (a) Irrigation, state number of acres to be irrigated..... (b) Stockwater, state number and kinds of animals to be watered..... (c) Other use (describe fully under "No. 12. Remarks")..... (d) Power: (1) Horsepower developed..... (2) Point of return of water to stream.....

5. The water is to be diverted from its source at the following point located within the SW 1/4 NW 1/4 Section 22, T.6N., R.63E., M.D.B. & M., or at a point from which the northwest sixteenth corner of Section 14, T.7N., R.63E., M.D.B. & M., bears N. 07° 41' 49" E., a distance of 38,809 feet.

6. Place of use is the area within Clark, Lincoln, Nye, and White Pine Counties SEE ATTACHED LETTER DATED 3-22-90

7. Use will begin about January 1 and end about December 31, of each year.

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) water is to be diverted from a 20-inch diameter cased well, via deep well No. 180-1A pump, pipelines, pumping stations, reservoirs, and distribution system.

9. Estimated cost of works \$700,000 (well and equipment only)

10. Estimated time required to construct works Minimum 20 years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use Minimum 20 years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

The water sought under this application shall be placed to a beneficial use within the Las Vegas Valley Water District service area as set forth in Chapter 752, Statutes of Nevada 1989, or as may be amended. Water may also be served and beneficially used by lawful users within the Lincoln, Nye and White Pine Counties. Water will be commingled with other water rights owned or served by applicant, or it's designee. SEE ATTACHED LETTER DATED 3-22-90

s/Alan F. Walter
By Alan F. Walter, P.E., N.S.W.R.S., No. 506
3700 West Charleston Boulevard
Las Vegas, Nevada 89153

Compared bc/ bp

Protested See File
Pro. Overruled 7/9/2008 See Ruling #5875 Vacated by Court order 10/19/09
3/22/12 See Ruling #6165

.....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:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed on or before.....

Application of water to beneficial use shall be made on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

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

Completion of work filed..... IN TESTIMONY WHEREOF, I.....

Proof of beneficial use filed..... State Engineer of Nevada, have hereunto set my hand and the seal of my

Cultural map filed..... office, this.....day of.....

Certificate No.....Issued..... A.D. 19.....

State Engineer

Hill Cassas deLipkau and Erwin

A PARTNER IN

SUITE 300 HOLCOMB PROFESSIONAL CENTER
 333 HOLCOMB AVENUE
 POST OFFICE BOX 2790
 RENO, NEVADA 89505

Sherman & Howard
A LAW PARTNERSHIP INCLUDING PROFESSIONAL CORPORATION

WITH OFFICES IN:
 ALBUQUERQUE
 COLORADO SPRINGS
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 SANTA FE
 SOUTHEAST DENVER

TELEPHONE: 702 323-1601
 TELECOPIER: 702 346-7250
 TELEX: 8971967

March 22, 1990

Ms. Christine Thiel
 Division of Water Resources
 201 South Fall Street
 Carson City, Nevada 89710

Re: Las Vegas Valley Water District - Applications 53947
 through 54092, Inclusive, and 54105 & 54106

Dear Ms. Thiel:

This will serve as a supplement to the above referred to applications to appropriate. Please attach a copy of this letter to each application, except 54037 and 54067, which were withdrawn.

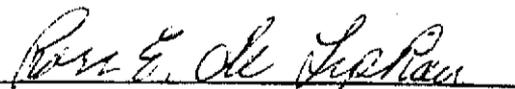
1. Question 6, entitled "Place of Use", shall be supplemented as follows: Within Lincoln County, as defined in NRS 243.210-243.225, inclusive; within Nye County, as found in NRS 243.275-243.315, inclusive; within White Pine County, as found in NRS 243.365-243.385, inclusive; and within Clark County, as found within NRS 243.035-243.040, inclusive.

2. Question 12, entitled "Remarks". Pursuant to NRS 533.340(3), the approximate number of additional persons to be served is 800,000, which is in addition to the current approximately 618,000 persons. The applications seek groundwater in excess of 300,000 acre-feet, which represents all unappropriated groundwater in the particular groundwater basins and the Virgin River (Application 54077). The projected population of the service area in Clark County is estimated to be 1,400,000 at Year 2020. Population projects are currently being updated by Clark County Comprehensive Planning. The population to be served in Lincoln, White Pine and Nye Counties is not yet know, but is to be included within the applied for volume.

Very truly yours,

HILL CASSAS de LIPKAU and ERWIN

By


 Ross E. de Lipkau

REd/lbc