



AMENDED

THE STATE OF NEVADA

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

Name of applicant: LAS VEGAS VALLEY WATER DISTRICT
Source: UNDERGROUND
Basin: GARNET VALLEY
Manner of Use: MUNICIPAL
Period of Use: January 1st to 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 to change the point of diversion and place of use of the waters of an underground source as heretofore granted under Permit 73151 is issued subject to the terms and conditions imposed in said Permit 73151 and with the understanding that no other rights on the source will be affected by the change proposed herein. This well shall be equipped with a two (2) inch opening for measuring depth to water and 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 the water begins or before the proof of completion of work is filed. If the well is flowing, a valve must be installed and maintained to prevent waste. This source is located within an area designated by the State Engineer pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

The permittee shall keep monthly records of the amount of water pumped from this well and the records must be submitted to the State Engineer on an annual basis within 30 days after the end of each calendar year.

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 79005 and 79010, having the same point of diversion, shall not exceed 2.13 cubic feet per second and 233.33 acre-feet annually.

The total combined duty of water under permits 79001 through 79010 is 1,400 acre-feet annually. However, a maximum of 1,550 acre feet maybe be pumped from those rights in any given year provided the 10-year rolling total does not exceed 14,000 acre-feet.

(Continued on Page 2)

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

The well authorized under this permit must be drilled into and only draw water from the carbonate system. The demonstration of such construction must be submitted to the State Engineer prior to putting any water to beneficial use.

All provisions of the monitoring plan submitted to the State Engineer for approval under base right Permits 54073, 54074 and 68822, shall remain in force, and will apply to all subsequent change applications and new diversion-only appropriations. If information from the monitoring plan or other studies demonstrates an adverse impact on existing rights, mitigation will be required to the satisfaction of the State Engineer.

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 0.53 cubic feet per second or 233.33 acre-feet annually.**

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

May 20, 2011

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

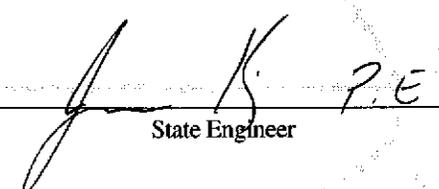
May 20, 2015

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 4th day of **June**, A.D. **2010**



State Engineer

Completion of work filed _____
Proof of beneficial use filed _____
Cultural map filed _____
Certificate No. _____ Issued _____



See Amended Permit

THE STATE OF NEVADA

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

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The permittee shall keep monthly records of the amount of water pumped from this well and the records must be submitted to the State Engineer on an annual basis within 30 days after the end of each calendar year.

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 79005 and 79010, having the same point of diversion, shall not exceed 2.13 cubic feet per second and 233.33 acre-feet annually.

The total combined duty of water under Permits 54073, 54074, 68822, 74399, 78954T, 79001, 79002, 79003, 79004, 79005, 79006, 79007, 79008, 79009 and 79010 shall not exceed 2274.57 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.

(Continued on Page 2)

If any water under this permit is cancelled, withdrawn, or any water is not put to beneficial use, it will revert to the groundwater source and not back to the base water right.

The well authorized under this permit must be drilled into and only draw water from the carbonate system. The demonstration of such construction must be submitted to the State Engineer prior to putting any water to beneficial use.

All provisions of the monitoring plan submitted to the State Engineer for approval under base right Permits 54073, 54074 and 68822, shall remain in force, and will apply to all subsequent change applications and new diversion-only appropriations. If information from the monitoring plan or other studies demonstrates an adverse impact on existing rights, mitigation will be required to the satisfaction of the State Engineer.

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 0.53 cubic feet per second or 233.33 acre-feet annually.**

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

May 20 2011

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

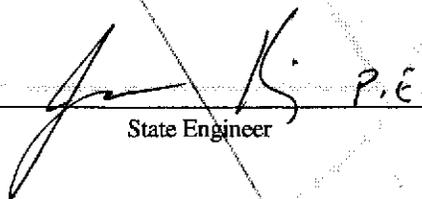
May 20 2015

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 20th day of May, A.D. 2010



State Engineer

Completion of work filed _____

Proof of beneficial use filed _____

Cultural map filed _____

Certificate No. _____ Issued _____

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

THIS SPACE FOR OFFICE USE ONLY

Date of filing in State Engineer's Office NOV 02 2009

Returned to applicant for correction _____

Corrected application filed _____ Map filed NOV 04 2009 under 79001

The applicant Las Vegas Valley Water District
1001 S. Valley View Blvd. of Las Vegas
Street Address or PO Box City or Town
Nevada, 89153 hereby make(s) application for permission to change the
State and ZIP Code

- Point of diversion Place of use Manner of use of a portion

of water heretofore appropriated under (Identify existing rights by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and identify right in Decree.)

Permit No. 73151

1. The source of water is Underground - Garnet Valley
Name of stream, lake, underground, spring or other sources.

2. The amount of water to be changed 233.33 acre-feet, 0.53 c.f.s.
Second feet, acre-feet. One second foot equals 448.83 gallons per minute.

3. The water to be used for Municipal
Irrigation, power, mining, commercial, etc. If for stock, state number and kind of animals. Must limit to one major use

4. The water heretofore used for Municipal
If for stock, state number and kind of animals.

5. The water is to be diverted at the following point (Describe as being within a 40-acre subdivision of public survey and by course and distance to a found section corner. If on unsurveyed land, it should be stated.)
 the NE1/4 NE1/4 Section 15, Township 18 South, Range 63 East, MDM, Clark County, NV, at a point from which the NE corner of Section 15 bears North 48° 28' 20" East, a distance of 1,680.47 feet. The point of diversion did not change however, it was re-surveyed and a new description is provided. ATG

6. The existing point of diversion is located within (If point of diversion is not changed, do not answer.)
 within the NE 1/4 NE 1/4 Section 15, Township 18 South, Range 63 East, M.D.B.&M., Clark County, NV, at a point from which the NE corner of said Section 15 bears North 48° 05' 39" East, a distance of 1680.25 feet. See map for Permit 73151.

216-11

7. Proposed place of use (Describe by legal subdivisions. If for irrigation, state number of acres to be irrigated.)

See attached exhibit.

8. Existing place of use (Describe by legal subdivisions. If changing place of use and/or manner of use of irrigation permit, describe acreage to be removed from irrigation.)

is within the E 1/2 NE 1/4 and E 1/2 SE 1/4, Section 15, Township 18 South, Range 63 East, M.D.B.&M., Clark County, NV. Also referenced as Parcel 1, File 101, Page 16 of Parcel Maps, APN 103-15-000-003.

9. Proposed use will be from January 1 to December 31 of each year.
Month and Day Month and Day

10. Existing use permitted from January 1 to December 31 of each year.
Month and Day Month and Day

11. Description of proposed works. (Under the provision of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) (State manner in which water is to be diverted, i.e., diversion structure, ditches, pipes and flumes or drilled well, pump and motor, etc.)

Drilled well, pump, and motor

12. Estimated cost of works No additional construction is necessary at this time

13. Estimated time required to construct works Existing, see Proof of Completion for Permit No. 73151
If well completed, describe well.

14. Estimated time required to complete the application of water to beneficial use 10 years

15. Provide a detailed description of the proposed project and its water usage (use attachments if necessary): (Failure to provide a detailed description may cause a delay in processing.)

The existing well is drilled to 2,020 feet deep (see attached Well Driller's Report log no. 87079 and Proof of Completion for Permit 73151). Water will be diverted by a pump, motor, and pipeline. Water will be metered. If future conditions warrant, additional pipelines may be constructed to further interconnect the water supplies of the geographically distinct places of use.

16. Miscellaneous remarks:

See exhibit

thomas.minwegen@lvvwd.com
E-mail Address
(702) 258-3174
Phone No.

APPLICATION MUST BE SIGNED
BY THE APPLICANT OR AGENT

Thomas A. Minwegen, Deputy General Manager

Thomas A. Minwegen
Type or print name clearly
Signature, applicant or agent

Las Vegas Valley Water District
Company Name

1001 S. Valley View Blvd.
Street Address or PO Box

Las Vegas, NV 89153
City, State, ZIP Code

STATE ENGINEERING OFFICE
2009 NOV -2
PM 3:36
RECEIVED

Exhibit

7. **Proposed place of use:**

- 1) is 90 acres within the N 1/2 SE 1/4 and the NE 1/4 of Section 5, Township 18 South, Range 63 East, MDM, Clark County, NV as shown Exhibit A-1 of the deed recorded April 16, 2001 in Book 20010416 as document number 01904 of the official records, Clark County, NV;
- 2) is within the NE 1/4, the SE 1/4 and the SE 1/4 of the SW 1/4 of Section 5, Township 18 South, Range 63 East, MDM, Clark County, Nevada;
- 3) is within the E 1/2 NE 1/4 and E 1/2 SE 1/4, Section 15, Township 18 South, Range 63 East, MDM, Clark County, NV, also referenced as Parcel 1, File 101, Page 16 of Parcel Maps, APN 103-15-000-003;
- 4) is within portions of Section 12, 13, 35, all of Section 24, 25, and 36, Township 17 South, Range 63 East, MDM, Clark County, NV; portions of Section 7, all of Sections 18, 19, 30, and 31, Township 17 South, Range 64 East, MDM, Clark County NV; and, portions of Section 1 and 2, Township 18 South, Range 63 East, MDM, Clark County NV.

16. **Miscellaneous remarks:** The applicant is concurrently submitting:

- a. Change Applications to change:
 - i. The point of diversion and place of use for all of the water appropriated under Permit Nos. 72798, 73149, 73150, and 73151, and
 - ii. The point of diversion and place of use for half of the water appropriated under Permit No. 68822.

These Change Applications request a common place of use of four power generation facilities located in Garnet Valley, and request a maximum combined duty of 1,550 AFA with a ten-year rolling total not to exceed 14,000 acre-feet.
- b. New Applications for diversion rate only from the points of diversion for the change applications to Permit Nos. 73149, 72798, 73150, 73151, and 68822, to allow for each well to be pumped at a higher capacity.

Approval of these Applications will allow for additional flexibility to meet the water demands of the power generation facilities located in Garnet Valley and will allow their continued operation and possible expansion without the appropriation of additional water in Garnet Valley.