



Permit No. 29973S06

## SECONDARY

### THE STATE OF NEVADA

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

Name of Permittee: CITIES OF RENO AND SPARKS  
Source: EFFLUENT  
Basin: TRUCKEE MEADOWS  
Manner of Use: MUNICIPAL  
Period of Use: JANUARY 1ST THROUGH DECEMBER 31ST  
Priority Date: 02/06/1976

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#### 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 secondary permit is issued subject to the terms and conditions under Permit 29973 for the groundwater portion of said permit. The granting of this secondary permit is not intended in any way to waive or affect authority or requirements of water quality control agencies or regulations. This permit is further issued subject to the provisions of NRS 533.440 and the State retains the right to regulate the use of the water herein granted at any and all times. This secondary permit is issued subject to existing rights.

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

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

The total combined duty of water under secondary Permits 29973S03, 29973S04, 29973S05 and 29973S06 shall not exceed the total groundwater component of Permit 29973 being 6,700 acre-feet annually and 20.0 cubic feet per second.

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

(Continued on Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, **and not to exceed 20.0 cubic feet per second or 6,700.0 acre-feet annually.**

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

December 29 2015

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

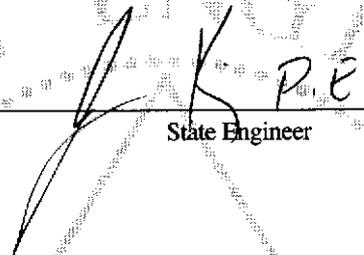
December 29 2017

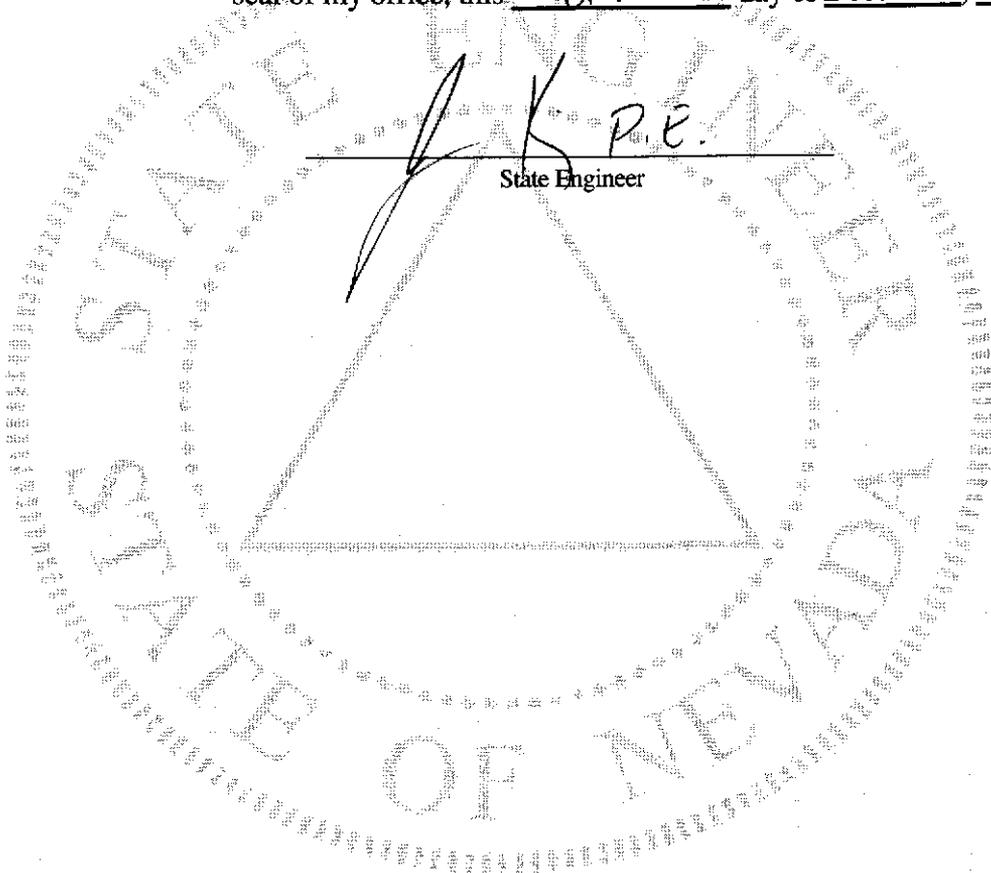
Map in support of proof of beneficial use shall be filed on or before:

December 29 2017

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

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 29<sup>th</sup> day of **December, 2014**

  
\_\_\_\_\_  
State Engineer



**SECONDARY**

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

THIS SPACE FOR OFFICE USE ONLY

Date of Filing in State Engineer's Office JUL 30 2014

Returned to applicant for correction \_\_\_\_\_

Corrected Application filed \_\_\_\_\_ Map filed Feb 6, 1976 under 29973

The applicant The Cities of Reno and Sparks (Attn: Andy Hummel - City of Sparks Utilities Director)

Post Office Box 857 of Sparks  
Street Address or P.O. Box City or Town

Nevada 89432 hereby make(s) application for permission to appropriate the  
State and ZIP Code

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.)

The Truckee Meadows Water Reclamation Facility (TMWRF) is owned by the Cities of Reno and Sparks, political subdivisions of the State of Nevada.

1. The source of the proposed appropriation is Ground water component effluent under Permit No. 29973  
Name of the stream, lake, underground, spring or other sources.

2. The amount of water applied for is 20.00 cubic feet per second - not to exceed 6,700 acre feet per annum  
One second foot equals 448.83 gallons per minute.

(a) If stored in a reservoir give the number of acre-feet \_\_\_\_\_

3. The water is to be used for Municipal Purposes (See attached remarks)  
Irrigation, power, mining, commercial, domestic or other use. Must be limited to one major use.

4. If use is for:  
(a) Irrigation, state number of acres to be irrigated \_\_\_\_\_

(b) Stockwater, state number and kind of animals \_\_\_\_\_

(c) Other use (describe fully in No. 12) \_\_\_\_\_

(d) Power:  
(1) Horsepower developed \_\_\_\_\_

(2) Point of return of water to stream \_\_\_\_\_

2014 JUL 30 PM 6:24  
STATE ENGINEER'S OFFICE

T.M  
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5. The water is to be diverted from its source 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 so stated.)  
w/in NW1/4 NE1/4 Section 14 T19N, R20E, MDM or at a point from which the NE corner of said Section 14 bears North 73 degrees 38 minutes 33 seconds East, a distance of 2,311.56 feet. Refer to map filed under Permit No. 29973

6. Place of use: (Describe by legal subdivision. If on unsurveyed land, it should be so stated)  
See attached Exhibit A for proposed place of use. Refer to maps filed under Secondary Permit Nos. 29973-S02 and 29973-S03 to support this application.

7. Use will begin about January 1st and end about December 31st of each year.  
Month and Day Month and Day

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.) (State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with a pump and motor, etc.)

Existing facilities at the Truckee Meadows Water Reclamation Facility treat and deliver effluent by pipeline to the proposed place of use. Totalizing meters are installed at each customer hookup and a master meter at the TMWRF

9. Estimated cost of works: None -- Existing works

10. Estimated time required to construct works: None - Existing works

(If the well is complete, describe works.)

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

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

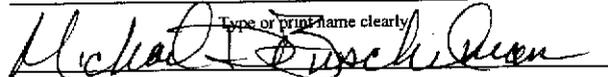
See attached Exhibit A for remarks.

mike@mbuschelman.com  
E-mail Address

775-355-9628  
Phone No.

APPLICATION MUST BE SIGNED  
BY THE APPLICANT OR AGENT

Michael D. Buschelman

  
Type or print name clearly  
Signature, applicant or agent

Michael D. Buschelman Consulting, Inc.  
Company Name

Post Office Box 51371  
Street Address or PO Box

Sparks, Nevada 89435  
City, State, ZIP Code

\$300 FILING FEE AND SUPPORTING MAP MUST ACCOMPANY APPLICATION

**EXHIBIT "A" PAGE 1 OF 4  
ITEM NO. 6  
PROPOSED PLACE OF USE**

<u>DIVISION</u>	<u>SECTION</u>	<u>T-N</u>	<u>R-E</u>	
PORTION	8	19	20	M.D.B.&M.
ALL	1 - 5	19	20	M.D.B.& M.
PORTION	6	19	20	M.D.B.& M.
PORTION	E1/2 of 7	19	20	M.D.B.& M.
ALL	9 & 10	19	20	M.D.B.& M.
PORTION	11 & 12	19	20	M.D.B.& M.
PORTION	N1/2 of 13	19	20	M.D.B.& M.
PORTION	N1/2 of 14	19	20	M.D.B.& M.
PORTION	15	19	20	M.D.B.& M.
PORTION	N1/2 of 16	19	20	M.D.B.& M.
PORTION	N1/2 of 17	19	20	M.D.B.& M.
ALL	6 & 7	19	21	M.D.B.& M.
PORTION	18	19	21	M.D.B.& M.
ALL	1 - 4	20	20	M.D.B.& M.
ALL	9 - 16	20	20	M.D.B.& M.
ALL	21 - 28	20	20	M.D.B.& M.
ALL	S1/2 of 29	20	20	M.D.B.& M.
ALL	SE1/4 of 30	20	20	M.D.B.& M.
PORTION	31	20	20	M.D.B.& M.
ALL	32 - 36	20	20	M.D.B.& M.
ALL	6 & 7	20	21	M.D.B.& M.
ALL	18 & 19	20	21	M.D.B.& M.

Refer to map under Secondary Permit No. 29973 S-2 to support the above place of use for this application.

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EXHIBIT "A" PAGE 1 OF 4  
ITEM NO. 6  
PROPOSED PLACE OF USE

<u>DIVISION</u>	<u>SECTION</u>	<u>T-N</u>	<u>R-E</u>	
PORTION	8	19	20	M.D.B.&M.
ALL	1 - 5	19	20	M.D.B.& M.
PORTION	6	19	20	M.D.B.& M.
PORTION	E1/2 of 7	19	20	M.D.B.& M.
ALL	9 & 10	19	20	M.D.B.& M.
PORTION	11 & 12	19	20	M.D.B.& M.
PORTION	N1/2 of 13	19	20	M.D.B.& M.
PORTION	N1/2 of 14	19	20	M.D.B.& M.
PORTION	15	19	20	M.D.B.& M.
PORTION	N1/2 of 16	19	20	M.D.B.& M.
PORTION	N1/2 of 17	19	20	M.D.B.& M.
ALL	6 & 7	19	21	M.D.B.& M.
PORTION	18	19	21	M.D.B.& M.
ALL	1 - 4	20	20	M.D.B.& M.
ALL	9 - 16	20	20	M.D.B.& M.
ALL	21 - 28	20	20	M.D.B.& M.
ALL	S1/2 of 29	20	20	M.D.B.& M.
ALL	SE1/4 of 30	20	20	M.D.B.& M.
PORTION	31	20	20	M.D.B.& M.
ALL	32 - 36	20	20	M.D.B.& M.
ALL	6 & 7	20	21	M.D.B.& M.
ALL	18 & 19	20	21	M.D.B.& M.

Refer to map under Secondary Permit No. 29973 S-2 to support the above place of use for this application.

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 PLANNING DEPARTMENT

**EXHIBIT "A" PAGE 2 OF 4  
ITEM NO. 6  
PROPOSED PLACE OF USE**

<u>DIVISION</u>	<u>SECTION</u>	<u>T-N</u>	<u>R-E</u>	
ALL	1	17	19	M.D.B.& M.
PORTION	12	17	19	M.D.B.& M.
PORTION	E1/2 of 13	17	19	M.D.B.& M.
PORTION	4 - 7	17	20	M.D.B.& M.
PORTION	18	17	20	M.D.B.& M.
PORTION	1	18	19	M.D.B.& M.
PORTION	12	18	19	M.D.B.& M.
ALL	3	18	20	M.D.B.& M.
PORTION	4	18	20	M.D.B.& M.
ALL	5 & 6	18	20	M.D.B.& M.
PORTION	7 & 8	18	20	M.D.B.& M.
ALL	9 & 10	18	20	M.D.B.& M.
ALL	W1/2 of 11	18	20	M.D.B.& M.
PORTION	14	18	20	M.D.B.& M.
ALL	15 & 16	18	20	M.D.B.& M.
PORTION	17	18	20	M.D.B.& M.
PORTION	20	18	20	M.D.B.& M.
ALL	21 & 22	18	20	M.D.B.& M.
PORTION	27, 28 & 29	18	20	M.D.B.& M.
PORTION	31	18	20	M.D.B.& M.
ALL	32	18	20	M.D.B.& M.
PORTION	33	18	20	M.D.B.& M.
ALL	1	19	18	M.D.B.& M.
PORTION	2 & 3	19	18	M.D.B.& M.
ALL	4	19	18	M.D.B.& M.
PORTION	7, 8 & 9	19	18	M.D.B.& M.
ALL	10	19	18	M.D.B.& M.
PORTION	11	19	18	M.D.B.& M.
ALL	12 & 13	19	18	M.D.B.& M.
PORTION	14 - 20	19	18	M.D.B.& M.
PORTION	23 & 24	19	18	M.D.B.& M.
PORTION	29	19	18	M.D.B.& M.
ALL	1 - 15	19	19	M.D.B.& M.
PORTION	16 - 21	19	19	M.D.B.& M.
ALL	22 - 28	19	19	M.D.B.& M.
PORTION	29	19	19	M.D.B.& M.
PORTION	32	19	19	M.D.B.& M.
ALL	33 & 34	19	19	M.D.B.& M.
PORTION	35 & 36	19	19	M.D.B.& M.

**EXHIBIT "A" PAGE 3 OF 4  
ITEM NO. 6  
PROPOSED PLACE OF USE**

PORTION	6, 7 & 8	19	20	M.D.B.& M
PORTION	11	19	20	M.D.B.& M
PORTION	14 - 17	19	20	M.D.B.& M.
ALL	18 - 23	19	20	M.D.B.& M.
ALL	26 - 31	19	20	M.D.B.& M.
PORTION	32 & 33	19	20	M.D.B.& M.
ALL	34 & 35	19	20	M.D.B.& M.
PORTION	1 & 2	20	18	M.D.B.& M
ALL	12	20	18	M.D.B.& M
PORTION	35 & 36	20	18	M.D.B.& M
PORTION	3 & 4	20	19	M.D.B.& M.
ALL	5 & 6	20	19	M.D.B.& M.
PORTION	7	20	19	M.D.B.& M
ALL	8	20	19	M.D.B.& M
PORTION	9 & 10	20	19	M.D.B.& M.
PORTION	14 - 17	20	19	M.D.B.& M.
PORTION	21	20	19	M.D.B.& M
ALL	22 & 23	20	19	M.D.B.& M.
PORTION	24	20	19	M.D.B.& M
ALL	25, 26 & 27	20	19	M.D.B.& M
PORTION	31 & 33	20	19	M.D.B.& M
ALL	34, 35 & 36	20	19	M.D.B.& M
PORTION	30 & 31	20	20	M.D.B.& M.
PORTION	36	21	18	M.D.B.& M.
PORTION	7 & 8	21	19	M.D.B.& M.
PORTION	16	21	19	M.D.B.& M.
ALL	17 - 20	21	19	M.D.B.& M
PORTION	21	21	19	M.D.B.& M
PORTION	28	21	19	M.D.B.& M
ALL	29 - 33	21	19	M.D.B.& M

Refer to map under Secondary Permit No. 29973 S-3 to support the above place of use for this application.

**EXHIBIT "A" PAGE 4 OF 4  
ITEM NO. 12  
REMARKS**

**29973**  
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**ITEM NO. 12 -- REMARKS**

The 6,700 acre feet per annum of groundwater component effluent is treated by the Truckee Meadows Water Reclamation Facility. Treated effluent will be supplied to irrigation, commercial, construction, manufacturing, recreation and industrial customers under the proposed municipal manner of use.

The 20.00 cubic feet per second rate of flow is proposed to allow use of peak flows produced by the treatment facilities. Previous secondary permits have been approved for average annual diversion rates which do not allow for fluctuating effluent treatment capacities or peak flows.

Each customer service connection to the effluent reuse system is metered. A master meter system is installed at the Truckee Meadows Water Reclamation Facility.

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