



**SECONDARY PERMIT**  
**THE STATE OF NEVADA**

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

**Name of Permittee:** DESERT HILLS DAIRY, LLC  
**Source:** STORAGE (EFFLUENT)  
**Basin:** MASON VALLEY  
**Manner of Use:** IRRIGATION  
**Period of Use:** JANUARY 1ST THROUGH DECEMBER 31ST  
**Priority Date:** 11/16/2015

\*\*\*\*\*

**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 85655. 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. A totalizing meter must be installed in the discharge pipeline near the point of diversion and accurate measurements must be kept of effluent diverted to beneficial use. The meter must be installed prior to the filing of the proof of completion and before any use of effluent begins.

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 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 0.7 cubic feet per second or 500.35 acre-feet annually, but is limited to 4.0 acre-feet per acre from all sources.

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:

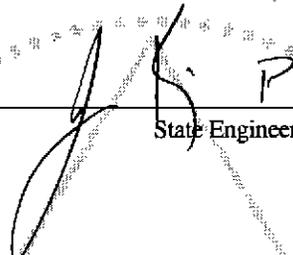
September 8 2021

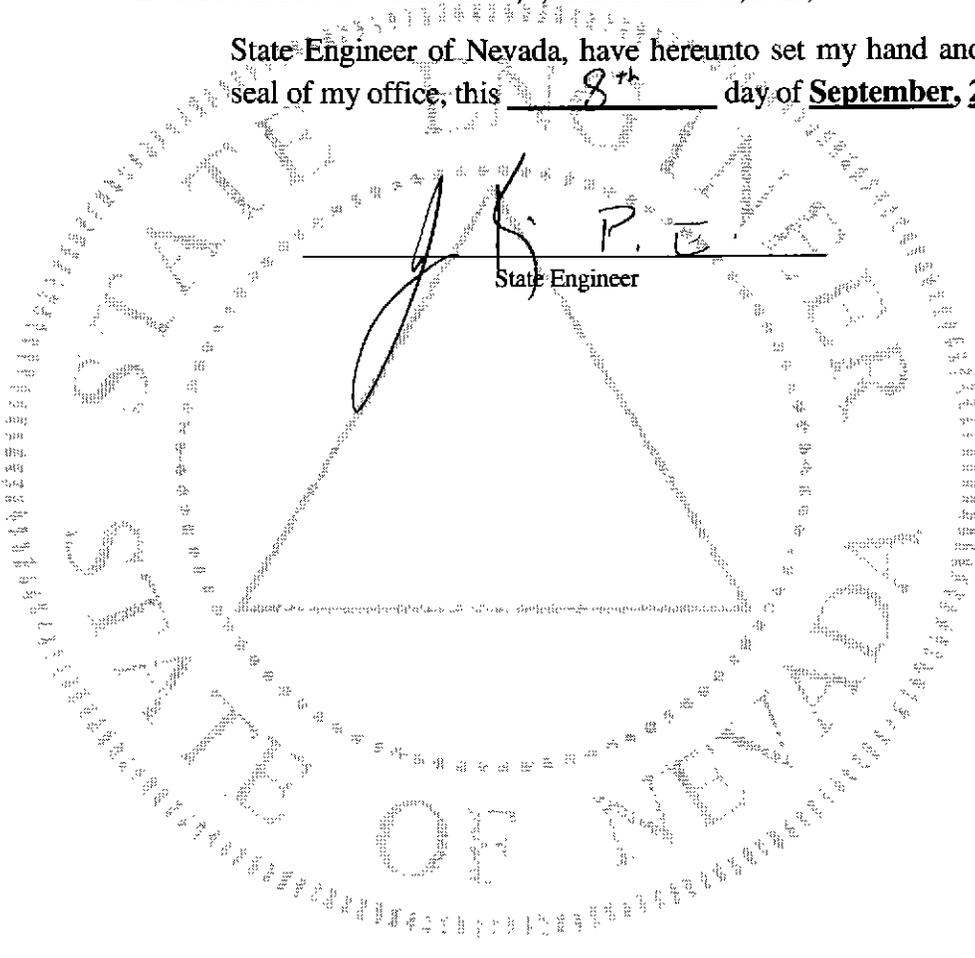
Map in support of proof of beneficial use shall be filed on or before:

September 8 2021

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

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 8<sup>th</sup> day of September, 2016

  
\_\_\_\_\_  
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	<b>NOV 16 2015</b>
Returned to applicant for correction	_____
Corrected Application filed	Map filed <b>NOV 16 2015</b> Under 85655-S01

The applicant Desert Hills Dairy, LLC  
350 Campbell Lane of Yerington  
Street Address or P.O. Box City or Town  
Nevada 89447 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.)  
4/30/1999; Nevada

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- The source of the proposed appropriation is Storage under Primary Application Effluent  
Name of the stream, lake, underground, spring or other sources.
- The amount of water applied for is 0.7 cubic feet per second and 500.35 acre-feet annually  
One second foot equals 448.83 gallons per minute.
  - If stored in a reservoir give the number of acre-feet \_\_\_\_\_
- The water is to be used for Irrigation Purposes  
Irrigation, power, mining, commercial, domestic or other use. Must be limited to one major use.
- If use is for:
  - Irrigation, state number of acres to be irrigated 125.0875 acres
  - Stockwater, state number and kind of animals \_\_\_\_\_
  - Other use (describe fully in No. 12) \_\_\_\_\_
  - Power:
    - Horsepower developed \_\_\_\_\_
    - Point of return of water to stream \_\_\_\_\_

801-6  
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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.)  
within the NW1/4 SE1/4 Section 1, T.14N., R.24E., M.D.M., or at a point from which the N1/4 corner of said Section 1 bears North 19°25'25" West, a distance of 3,691.97 feet. (Lagoon Pump) Refer to map filed in support of Application No. 88655.

6. Place of use: (Describe by legal subdivision. If on unsurveyed land, it should be so stated)  
within the E1/2 Section 36, T.15N., R.24E., MDM; W1/2 Section 31, T.15N., R.25E., MDM; NE1/4, E1/2 SE1/4 Section 1, NE1/4 NE1/4 Section 12, T.14N., R.24E., MDM; W1/2 W1/2 Section 6, N1/2 NW1/4 Section 7, T.14N., R.25E., MDM. The exact location to be determined upon Proof of Beneficial Use. Refer to map filed in support of Application No. 88655.

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.)

Discharge from separator system is collected in lagoon pond and pumped with totalizing meter to irrigation distribution system

9. Estimated cost of works: \$25,000

10. Estimated time required to construct works: Two (2) Years

(If the well is complete, describe works.)

11. Estimated time required to complete the application of water to beneficial use: Five (5) Years

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

Refer to Attachment "A" for additional information.

cfacque@farrwestengineering.com

E-mail Address

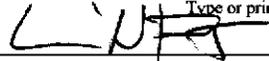
(775) 853-7268

Phone No.

APPLICATION MUST BE SIGNED  
BY THE APPLICANT OR AGENT

Chris N. Facque

Type or print name clearly



Signature, applicant or agent

Farr West Engineering

Company Name

5442 Longley Lane, Suite A

Street Address or PO Box

Reno, Nevada 89511

City, State, ZIP Code

\$300 FILING FEE AND SUPPORTING MAP MUST ACCOMPANY APPLICATION

**Exhibit "A"**  
**Applicant – Desert Hills Dairy, LLC**

**Item No. 8 - Existing Place of Use - (Describe by legal subdivision. If changing place of use and/or manner of use of irrigation permit, describe acreage removed from irrigation.)**

(For changes to Permit Nos. 65210, 65211, and 80918)

Lot 1 (NE1/4 of the NE1/4), SE1/4 of the NE1/4 of Section 1, T14N, R24E, MDM, SE1/4 of the NE1/4, NE1/4 of the SE1/4, SE1/4 of the SE1/4 of Section 36, T15N, R24E, MDM, Lot 4 (NW1/4 of the NW1/4), Lot 5 (SW1/4 of the NW1/4), Lot 6 (NW1/4 of the SW1/4), Lot 7 (SW1/4 of the SW1/4) of Section 6, T14N, R25E, MDM, Lot 1: (NW1/4 of the NW1/4), NE1/4 of the NW1/4 of Section 7, T14N, R25E, MDM, SE1/4 of the NW1/4, Lot 2 (SW1/4 of the NW1/4), Lot 3 (NW1/4 of the SW1/4), NE1/4 of the SW1/4, SE1/4 of the SW1/4, Lot 4 (SW1/4 of the SW1/4), of Section 31, T15N, R25E, MDM

Refer to map filed in support of Permit No. 17643.

**Item No. 12 (for appropriations) and 15 – Provide a detailed description of the proposed project and its water usage (use attachments if necessary):**

**Water Rights for Irrigation Purposes**

(For changes to Permit Nos. 30218, 65210, and 65211)

Permit Nos. 30218, Certificate 9432, 65210, 65211, 80918, and 80919 are primary, stand-alone groundwater rights Permitted or Certificated for irrigation of alfalfa to support the commercial dairy operation. The North Well, Little House Well, and East Well are existing wells drilled under approved water right Permits and Certificates; no additional wells are proposed to be drilled, and only the point of diversion legal description are being revised under these Applications. Land within the proposed place use has been under irrigation from approved water right Permits and Certificates since the 1970s; no new acreage is proposed to be placed into production. These Applications are being filed to correct the place of use legal description under existing Permits based on a field survey conducted July and August of 2015. Please refer to each Application for well log information.

Based on available data, there are no surface water rights, either Decreed, Storage of Newlands, used on the parcels within the proposed place of use. Historically, waste and drain water from Walker River Decreed, Storage, or Newlands rights has been captured and returned to the river via drain ditches before traveling to lands within the proposed place of use. Desert Hills Dairy, LLC, holds no Walker River Irrigation District Ledger Cards.

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**Water Rights for Commercial Purposes**

(For changes to Permit Nos. 65210, 66038, 66039, 76215, 76216, and an Appropriation for Diversion Rate-Only)

Permit Nos. 66038, 66039, 66193, 67035, 76215, and 76216 are primary, stand-alone groundwater rights permitted for commercial purposes. The total combined duty under these Permits is 267.349 acre-feet annually. Based on increase operations at the dairy, additional water is needed for commercial purposes. A portion of Permit No. 65210 is proposed to be converted from irrigation purposes to meet this demand. The net irrigation water requirement (NIWR) in Mason Valley Hydrographic Basin No. 108 is 3.1 acre-feet per acre for alfalfa; this Application proposes a reduction to the consumptive use portion based on this factor. Desert Hills Dairy, LLC, wishes to retain the ability to change excess water from NIWR conversion back to irrigation up to the original permitted amount, if new conservation technology is developed and implemented in the future. The total combined duty of water rights under these Applications once approved will not exceed 500.35 acre-feet annually.

Water under these applications is being used to support the commercial dairy operations, and include wash pens and cattle cooling, milk cooling, equipment sanitization, dust control, and general dairy facility operations. The Moreda Well, LS Well, and 680 Well are existing wells drilled under approved water right Permits; no additional wells are proposed to be drilled under these Applications. In addition to adjusting the permitted duty allowed under each well, these Applications are being filed to correct the point of diversion legal description of the 680 Well based on a field survey conducted July and August of 2015. Please refer to each Application for well log information.

A diversion rate-only Application is being filed to allow the Moreda Well to be used as a back-up well to the system during well failure or improvement, and to provide flows for peak water usage. No additional volume of water is being requested under that Application.

**Water Rights for Primary – Storage Purposes**

Wastewater is captured and collected from various locations on the dairy and delivered to a separator system. This water is then process and collected in a lagoon pond, where it is proposed to be diverted for secondary purposes. Under current operations, placing this effluent water for irrigation purposes is the best use. Additional secondary Applications may be filed in the future to facilitate dairy expansion with other uses.

These Applications seek to replace Permit No. 65290, 65290-S01, 65290-S02, 68823, 68823-S01, and 68823-S02. Expansion to the dairy and additional sources of funding allowed for construction of the new system. Once dairy operations between the Moreda and LS Dairy were combined, the effluent system was improved and expanded. The total amount of water proposed under the new Applications shall not exceed the total combined duty of all commercial water right permits. The total amount of water available for re-use is dependent on water consumption from the dairy. Desert Hills Dairy, LLC, wishes to appropriate the total duty to provide long term flexibility.

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