

85990

Application No. _____

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	MAR 07 2016
Returned to applicant for correction	_____
Corrected Application filed	MAR 07 2016
Map filed	_____

The applicant ESMERALDA MINERALS, LLC.
100 WEST LIBERTY STREET, 10th FLOOR of RENO
Street Address or P.O. Box City or Town

NEVADA 89501 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.)

ESMERALDA MINERALS, LLC. incorporated as a domestic Limited-Liability Company in the State of Nevada on December 23, 2014.

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1. The source of water is UNDERGROUND
Name of the stream, lake, underground, spring or other sources.
2. The amount of water applied for is 26.337 CFS (19,067 AFA); consumptive amount = 0.967 CFS (700 AFA)
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 Mining and Milling (Lithium)
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 _____

Clayton Valley
10-143
ES

KE
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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 SE¼ NW¼ of Section 13, T.3S., R.39E., M.D.B.&M., or at a point from which the SW corner of Section 31, T.2S., R.40E., M.D.B.&M. bears N15°02'48.01"E a distance of 13,018.35 feet.

Please refer to Supporting Map for this Application.

6. Place of use: (Describe by legal subdivision. If on unsurveyed land, it should be so stated)

Please refer to Attachment A.

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.)

Drilled extraction and injection wells equipped with pumps, motors, meters and associated piping to and from the process plant.

9. Estimated cost of works: > \$200,000,000.00

10. Estimated time required to construct works: 5 years

(If the well is complete, describe works.)

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

12. 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.)

Lithium brine groundwater would be diverted from extraction wells to the process plant where lithium and other constituents will be removed and separated from the groundwater using innovative technology in the extraction process. Processed water from the plant will be returned to the groundwater system via injection wells, to minimize waste and maximize the resource. Consumptive use is estimated to be 700 AFA.

13. Miscellaneous remarks:

Applicant and Pure Energy Minerals, Ltd. are in advanced exploration and planning stage of the lithium mine development process. An adequate groundwater supply is critical to ensure feasibility of the project to demonstrate and operate a sustainable, effective and efficient lithium extraction process that is less wasteful, better for the environment, and a much better use of public resources compared to the conventional extraction process involving solar evaporation.

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E-mail Address

775-828-6800

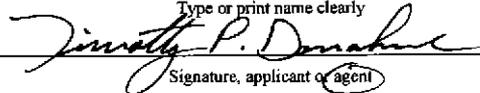
Phone No.

Ext.

APPLICATION MUST BE SIGNED
BY THE APPLICANT OR AGENT

Timothy P. Donahoe, P.L.S., S.W.R.S., C.E.M.

Type or print name clearly



Signature, applicant or agent

SRK Consulting (U.S.), Inc.

Company Name

5250 Neil Road, Suite 300

Street Address or PO Box

Reno, Nevada 89502

City, State, ZIP Code

ATTACHMENT "A"
PROPOSED PLACE OF USE

The proposed place of use is comprised of an extensive block of mineral (lithium) claims that the Applicant holds direct and indirect interests too.

T.2S., R.39E., M.D.B.&M.

A portion of Section 36.

T.3S., R.39E., M.D.B.&M.

A portion of Sections 1, 2, 10, 15, 16, 21, 24, 25, 28, 33 and 36.

All of Sections 11, 12, 13, 14, 22, 23, 26, 27, 34 and 35.

T.4S., R.39E., M.D.B.&M.

A portion of Sections 2, 3 and 4.

T.2S., R.40E., M.D.B.&M.

A portion of Sections 20, 29, 30, 31 and 32.

T.3S., R.40E., M.D.B.&M.

A portion of Sections 5, 7 and 18.

All of Section 6.

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