



## THE STATE OF NEVADA

### PERMIT TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Name of applicant:           NGP BLUE MOUNTAIN I, LLC &  
  NEVADA LAND & RESOURCE CO., LLC

Source:                         UNDERGROUND  
Basin:                         DESERT VALLEY

Manner of Use:             INDUSTRIAL

Period of Use:             January 1st to December 31st

Priority Date:             09/19/2008

\*\*\*\*\*

#### 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 of the waters of an underground source as heretofore granted under Permit 77403 is issued subject to the terms and conditions imposed in said Permit 77403 and with the understanding that no other rights on the source will be affected by the change proposed herein. The well shall be equipped with a 2-inch opening 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.

Monthly records shall be kept of the amount of water diverted, recharged/reinjected and beneficially used under Permits 77056, 77407, 78915, 78916, 78917, 78918, 78922, and 78923 and the records submitted to the State Engineer on a quarterly basis within 15 days after the end of each calendar quarter.

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 77056, 77407, 78915, 78916, 78917, 78918, 78922, and 78923 shall not exceed 2,986 acre-feet annually. The total combined consumptive use of water under these permits shall not exceed 2,300 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)

A groundwater monitoring plan shall be submitted for approval by the State Engineer and shall be implemented prior to development of water under these permits. The groundwater monitoring plan shall be sufficient to establish the magnitude and areal extent of water level impacts that may result from pumpage of ground water under these permits. If groundwater monitoring data indicate an unreasonable effect upon prior water rights, diversion of water under these permits may be curtailed or mitigation measures required.

This permit is issued pursuant to NRS 534.120(2) as a preferred use. The water approved under this permit is to supply cooling water to a geothermal power plant. Future changes in manner and place of use will be subject to additional determination. This project is a renewable energy generation project as defined in NRS 701.080.

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 0.276 cubic feet per second or 200.0 acre-feet annually.**

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

December 23, 2010

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

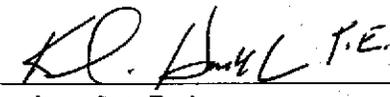
December 23, 2012

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 23rd day of December, A.D. 2009

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

Completion of work filed \_\_\_\_\_

Proof of beneficial use filed \_\_\_\_\_

Cultural map filed \_\_\_\_\_

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_

llb

**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: **SEP 23 2009**

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

Corrected application filed: \_\_\_\_\_ Map filed: **SEP 24 2009 under 78915**

The applicant **NGP BLUE MOUNTAIN I, LLC & NEVADA LAND & RESOURCE CO., LLC**

**409 GRANDVILLE ST., SUITE 900** of **VANCOUVER**  
Street and No. or P.O. Box No. City or Town

**BC CANADA V6C 1T2**  
State and Zip Code No.

, hereby makes application for permission to change the

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

of water heretofore appropriated under **PERMIT 77403**  
Identify existing right by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree

and identify right in Decree.

1. The source of water is **UNDERGROUND**  
Name of stream, lake, underground, spring or other sources.

2. The amount of water to be changed **.276 CFS OR 200 AFA**  
Second feet, acre-feet. One second foot equals 448.83 gallons per minute

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

4. The water heretofore used for **INDUSTRIAL**  
If for stock state number and kind of animals

5. The water is to be diverted at the following point **SW 1/4 SE 1/4 SECTION 27, T.36N., R.34E. M.D.B.&M. OR AT A POINT FROM WHICH THE SE CORNER OF SAID**  
Describe as being within a 40-acre subdivision of public survey and by course and distance to a section corner. If on unsurveyed land, it should be stated.

**SECTION 27 BEARS S.74°34'20" E. A DISTANCE OF 1,833.08 FEET. (CTW-8)**

6. The existing point of diversion is located within **SW 1/4 NW 1/4 SECTION 35, T.36N., R.34E., M.D.B.&M., OR AT A POINT FROM WHICH THE N4 CORNER OF SAID**  
If point of diversion is not changed, do not answer

**SECTION 35 BEARS N. 48° 44' 58" E., A DIST. OF 2,861.78 FEET. (CTW-2)**

3140

7. Proposed place of use SECTIONS 1, 10-16, 21-28 & 35 IN T.36N., R.34E.  
Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.

M.D.B.&M.

8. Existing place of use SAME AS PROPOSED  
Describe by legal subdivisions. If permit is for irrigation, state number of acres irrigated. If changing place of

use and/or manner of irrigation permit, describe acreage to be removed from irrigation.

9. Use will be from JANUARY 1 to DECEMBER 31 of each year.  
Month and Day Month and Day

10. Use permitted from JANUARY 1 to DECEMBER 31 of each year.  
Month and Day Month and Day

11. 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.)

WELL, PUMP, STORAGE &

State manner in which water is to be diverted, i.e. diversion structure, ditches,

DISTRIBUTION PIPING

pipes and flumes or drilled well, pump and motor, etc.

12. Estimated cost of works \$ 75 MILLION - TOTAL PROJECT

13. Estimated time required to construct works 3 YEARS  
If well completed, describe well.

14. Estimated time required to complete the application of water to beneficial use 5 YEARS

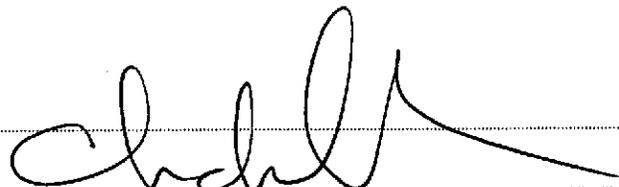
15. Provide a detailed description of the proposed project and its water usage (use attachments if necessary):

16. Miscellaneous remarks

A SUCCESSFUL TEST WELL HAS BEEN DRILLED AT THIS LOCATION UNDER W-630B.

Phone: (775) 323-1804  
Email: chris@gbis.com

By



**Chris C. Mahannah, P.E., SWRS# 976**  
**Mahannah & Associates, LLC**  
P.O. Box 2494  
Reno, NV 89505-2494

APPLICATION MUST BE SIGNED  
BY THE APPLICANT OR AGENT

**\$150 FILING FEE SUPPORTING MAP MUST ACCOMPANY APPLICATION**

RECEIVED  
2009 SEP 23 PM 2:04  
STATE ENGINEERS OFFICE