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Division of Minerals

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS
400 W. King Street, Suite 106
Carson City, Nevada 89703
(775) 684-7040 ! Fax (775) 684-7052

Date Received	
API Number	27-001-90430
County	Churchill
Permit Number	1284
FOR DIVISION USE ONLY	

GEOTHERMAL INJECTION WELL PERMIT APPLICATION

The applicant

Enel Stillwater LLC

Name (or Corporate/Business Name)

of

Street Address 1755 East Plumb Lane, Suite 155

City Reno State NV Zip Code 89502

Telephone (775) 329-0700

Email ashley.smith@enel.com

hereby makes application for a geothermal development permit, State of Nevada, Division of Minerals.

(If applicant is a corporation, show state and date of incorporation; if a partnership, list names of partners.)

A Geothermal Organization Report was filed with NDOM on 10-25-2011

Applicant is: Land Owner Lease Holder

Well Name: 67-31

Lease Name/No: NVN-05195

Land Type: Federal (BLM, USFS, etc.) Private State

Type and Amount of Bond: \$100,000 Certificate of Deposit
(Exempt for Domestic Class)

Bond Issued by: Bank of America
Serial No. 65303300126935

Well Location: SW 1/4, SE 1/4, Section 31

Township 20N, Range 31E, County Churchill

UTM Northing 4378820 N; UTM Easting 367416 E (Using NAD27 Datum)

Note: Please convert UTM's from NAD83 to NAD27

Operator's:

Name: Enel Stillwater, LLC

Address: 1755 East Plumb Lane, Suite 155

City, St Zip: Reno, NV 89502

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Drilling Contractor's:

Name: TBD

Address: _____

City, St Zip: _____

Telephone: _____

Hole Size: 12.25" Casing Size: 9.625" Weight/Gauge: 40 lb/ft

Size of BOP: 2000 psi 3000 psi 5000 psi

Rotary Description:

TBD

Identify or locate the sources of the fluids which will be injected:

Permitted geothermal wells in Stillwater KGRA

Estimated average daily volume of fluids injected 3,871,809 gallons.

Maximum daily volume of fluids injected 4,600,500 gallons.

Estimated maximum injected pressure 300 psi, temperature 170°F EF

List proposed metering equipment, pipelines and safety devices that will be used to prevent accidental pollution:

A check valve, well head isolation valve & 12-14" steel casing line from the plant to the well head will be installed. Flow, temperature & pressure are continuously monitored

Total Depth to be Drilled: ± 2,000 Feet

Drilling will Commence On: February 2012

Is this well location under an Underground Injection Permit?

If so, provide NDEP Permit number UNEV 70013

I certify this information to be true, correct, and complete and that no pertinent matter inquired about in this application has been omitted.

Signature of Applicant/Agent: 

Date: 11/15/2011

Please attach a detailed drilling program including the following information:

1. Well design schematic; casing and mud programs; potential water supply; drilling rig to be used and pad layout; blow out prevention equipment diagram and testing program; directional drilling information if applicable; map of location and access roads. Additional information may be required upon review.
2. The required fee per NAC 534A 210 or 534A.212.

CONDITIONS OF PERMIT

1. All permittees must comply with appropriate sections of the Geothermal Rules and Regulations of the Division of Minerals and with applicable rules and regulations of other local, state, and federal agencies.
2. During the drilling of geothermal injection wells, all water strata above the geothermal horizon being used must be sealed or separated in order to prevent their contents from passing into other strata.
3. All fresh water and water of value or possible value for other beneficial uses must be confined to their respective strata and be adequately protected by methods approved by the Division. Precautions must be taken in drilling and abandoning wells to guard against any loss of fresh water from the strata in which it occurs, and the contamination of any fresh water by objectionable water.
4. The operator of any well must shut off and exclude all water from any geothermal resource-bearing stratum to the satisfaction of the Division.
5. Additional Conditions

- A. See attached CDA.
- B. Send daily drilling reports to Lynelle Price & Linda White-Carrion.
- C. Under Project Area Permit 579.

PERMIT APPROVAL

Approved 1/26/12 with the conditions noted above.
Date

Permit Number 1284

Alan R. [Signature]
Administrator
Division of Minerals