

## NOTICE OF PUBLICATION

**Los Lobos Geothermal, LLC  
Lightning Dock Geothermal No. 1  
Animas, New Mexico**

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations (20.6.2.3106 NMAC); the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

**(GT-001) Lightning Dock Geothermal No. 1 (HI-01) LLC. Mr. Steve Brown, 5152, North Edgewood Drive Suite 375, Provo, Utah 84604 has submitted an application for a new discharge permit for the Lightning Dock Geothermal No. 1 (HI-01) "Binary Cycle" 15 MWe Geothermal Power Plant (5 Production/Development Wells & 3 Class V Geothermal Injection Wells) located in the NW/4, SW/4 of Section 7, Township 25 South, Range 19 West, NMPM, Hidalgo County, New Mexico. The plant is located approximately 10 miles south of I-10 on CR 338 (east side of Geothermal Road). The development wells are located within the SW/4; NW/4; and NE/4 of Section 7. The Class V Wells are located within the NE/4 and NW/4 of Section 18. Development wells will produce approximately 15,000 gpm of 250-300 °F geothermal water with a total dissolved solids (TDS) concentration of approximately 1,300 mg/L from the Horquilla Formation (geothermal carbonate reservoir) at a depth of 3400 feet below ground level. Geothermal water will be routed in parallel into 50 portable self-contained (with heat exchanger, evaporator & condenser) binary cycle power generation units. Approximately 1500 gpm of shallow ground water with a TDS concentration of approximately 300 mg/L will be cycled through the cooling tower unit. Of this, approximately 425 gpm of cooling tower blow-down effluent along with the remainder of produced water (~225 °F) will be routed into a lined evaporation pond(s). The produced water will then be injected via 3 Class V Wells into the geothermal reservoir at a maximum injection rate and pressure of between 4,000 to 5,000 gpm, and 75 psig per well. Lined evaporation ponds at the surface will temporarily store produced water for reinjection into the geothermal reservoir. Geothermal energy is considered a clean and renewable energy by the NMOCD and geothermal power industry. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a TDS of approximately 300 mg/L. The discharge plan addresses well construction, operation, monitoring, testing of the wells, associated surface facilities, and provides a**

**contingency plan in the event of accidental spills, leaks and other accidental discharges in order to protect fresh water.**

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD and Los Lobos Geothermal will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above or Los Lobos Geothermal, LLC at the following address:

Los Lobos Geothermal, LLC  
5152 N. Edgewood Dr Suite 375  
Provo, Utah 84604

Attention: Steve Brown  
Lightning Dock Geothermal Public Notice

The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site <http://www.emnrd.state.nm.us/ocd/>. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available, including all comments received. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit application and information submitted at the hearing.

Para obtener más información sobre esta solicitud en español, sirvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservación Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México (Contacto: Dorothy Phillips, 505-476-3461)