THE STATE OF NEVADA

CERTIFICATE OF APPROPRIATION OF WATER

~ ~ ~ ~ ~

WHEREAS, Theodore C. Cooke, Agent has presented to the State Engineer of the State of Nevada Proof of Application of Water to Beneficial Use, from an underground geothermal source (well 32-33) through a drilled well, pump, piping system, and an Ormat Energy Conversion (OEC) System for industrial (geothermal power production) purposes. The point of diversion of water from the source is as follows:

> **NE¼ NW¼ of Section 33, T.20N., R.28E., M.D.B.&M., or at a point from which the NW corner of said Section 33 bears N. 54°55'42" W., a distance of 2,016.2 feet situated in Churchill County, State of Nevada.**

NOW KNOW YE, That the State Engineer, under the provisions of NRS 533.425, has determined the date, source, purpose, amount of appropriation, and the place where such water is appurtenant, as follows:

Name of appropriator:	**Soda Lake Resources Partnership**
Source:	Underground (well 32-33)
Manner of Use:	Industrial (Geothermal Power Generation)
Amount of appropriation:	2.50 c.f.s., but not to exceed 589.8 million gallons annually (Non-Consumptive)
Period of use:	January 1st to December 31st of each year
Date of priority of appropriation:	*October 21, 1993

Description of the works of diversion, manner and place of use:

Water is developed by means of a drilled well, 4,043 feet deep with a 13 3/8 inch casing, from an underground geothermal source, thence transported via pipelines to one 3.6 MW (gross) and one 22.5 MW (gross) binary electric generation facility where the geothermal water heats the binary motive fluid, either Pentane or Iso Pentane, which powers the turbine generators to produce 11.3 MW (net) output to Sierra Pacific Power Company's Ragtown Substation. The geothermal water is then transported via pipelines to the injection well field where it is reinjected into a shallow geothermal aquifer that is interconnected with and supports the deeper production aquifer. The place of use is the Soda Lake Geothermal Power Plant more specifically described on page two of this certificate.

The total combined withdrawal of geothermal fluid under Permit 41931, Certificate 13576 and any certificates issued under Permits 59592, 59593, 59594, and 59595 shall not exceed 2,625.3 million gallons annually.

Certificates issued under Permits 41971, 59592, 59593, 59594, and 59595 are issued as non-consumptive use. NRS Chapter 534A.040 provides for any reasonable losses that might occur during testing of a geothermal well or because of the temporary failure of a system for reinjection.

continued.....

Permit 59593
Certificate 14804

Soda Lake 1 and 2 Geothermal Projects
Place of Use

Quarter	Quarter	Section	Township	Range	Base/Meridian
	N½	3	19N.	28E.	M.D.
S½	NW¼	4	19N.	28E.	M.D.
	NE¼	4	19N.	28E.	M.D.
	SW¼	4	19N.	28E.	M.D.
	SE¼	4	19N.	28E.	M.D.
	NW¼	5	19N.	28E.	M.D.
	NE¼	5	19N.	28E.	M.D.
N½	SW¼	5	19N.	28E.	M.D.
	SE¼	5	19N.	28E.	M.D.
N½	NE¼	25	20N.	27E.	M.D.
	N½	36	20N.	27E.	M.D.
	SW¼	14	20N.	28E.	M.D.
All		15	20N.	28E.	M.D.
All		16	20N.	28E.	M.D.
	SE¼	18	20N.	28E.	M.D.
All		20	20N.	28E.	M.D.
S½		21	20N.	28E.	M.D.
All		22	20N.	28E.	M.D.
All		23	20N.	28E.	M.D.
All		26	20N.	28E.	M.D.
All		27	20N.	28E.	M.D.
All		28	20N.	28E.	M.D.
W½	NW¼	29	20N.	28E.	M.D.
	NE¼	29	20N.	28E.	M.D.
	SW¼	29	20N.	28E.	M.D.
	SE¼	29	20N.	28E.	M.D.
All		30	20N.	28E.	M.D.
	NW¼	31	20N.	28E.	M.D.
	NE¼	31	20N.	28E.	M.D.
S½	SW¼	31	20N.	28E.	M.D.
E½	SE¼	31	20N.	28E.	M.D.
All		32	20N.	28E.	M.D.
All		33	20N.	28E.	M.D.
All		34	20N.	28E.	M.D.
	NW¼	35	20N.	28E.	M.D.
	NE¼	35	20N.	28E.	M.D.
	SW¼	35	20N.	28E.	M.D.

***This certificate changes the point of diversion and place of use of a portion of Permit 28881. The date of priority was established in accordance with NRS 533.395(3) by the Cancellation Rescission Hearing for Permit 28881 on December 7, 1993.**

This certificate is issued subject to the terms of the permit.

The right to water hereby determined is limited to the amount which can be beneficially used, not to exceed the amount above specified, and the use is restricted to the place and for the purpose as set forth herein.

IN TESTIMONY WHEREOF, I, R. MICHAEL TURNIPSEED, State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 30th day of December, A.D. 1997.

State Engineer

cms/sb