

Nevada Operations

NEVADA OPERATIONS, INC.

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Dept. of Minerals

June 3, 1993

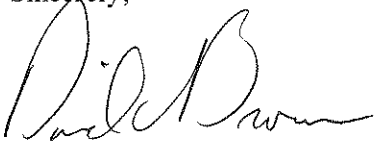
Ms. Kathy Loomis
Nevada Department of Minerals
400 W. King Street, Suite 106
Carson City, NV 89710

RE: Monthly Reports

Enclosed per your request please find the Geothermal Electric Producers Monthly Reports for the Empire, Soda Lake and Stillwater projects for the period November 1990 through May 1992 revised as per the new Nevada Department of Minerals requirements.

I trust that these revised reports will complete your records for these facilities. Should you have any questions, please call Monte Morrison at (702) 867-5093.

Sincerely,



David J. Brown
Director, Biomass and Geothermal Operations

MWB158.LTR

cc: Monte Morrison
Chuck Salo
File

The Empire Geothermal Power Plant Ground/Surface Water Monitoring Program which was established in conjunction with the Nevada Department of Environmental Protection/Underground Injection Control in November 1993, is presently on hold, but the program will be continued soon.

Nevada Operations, Inc. has included the monitoring data for your departments review.

EMPIRE GEOTHERMAL POWER PLANT
GROUND/SURFACE WATER MONITORING

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DATE	32	32A	42	POINT#12	POINT#13	POINT#14	POINT#15	POINT#16	POINT#17	POINT#18
12.25	41 $\frac{1}{8}$	52	46 $\frac{1}{2}$	M	M	M	M	M	5(F)	M
12.26	41 $\frac{1}{16}$	53 $\frac{3}{4}$	48 $\frac{3}{16}$	M	M	M	M	M	5(F)	M
12.27	41 $\frac{9}{16}$	54 $\frac{1}{2}$	M	M	M/S	M/S	M	M	5(F)	$\frac{1}{4}$
12.28	41 $\frac{15}{16}$	55 $\frac{1}{4}$	M/S	M	M	$\frac{1}{2}$	M	M	5(F)	$\frac{3}{16}$
12.29	42	56	M/S	M/S	M/S	M/S	M/S	M/S	5(F)	M/S
12.30	42 $\frac{5}{8}$	57	M/S	M/S	M/S	M/S	M/S	M/S	5(F)	M/S
12.31	42 $\frac{3}{4}$	58	M/S	M/S	M/S	M/S	M/S	M/S	4 $\frac{15}{16}$ (F)	M/S
1.1	43 $\frac{3}{16}$	59 $\frac{1}{2}$	M	M/S	M/S	M/S	M/S	M/S	4 $\frac{3}{4}$	M/S
1.2	43 $\frac{3}{4}$	60 $\frac{1}{4}$	D	M/S	M/S	M/S	M/S	M/S	4 $\frac{3}{8}$	M/S
1.3	44	61	D	M/S	M/S	M/S	M/S	M/S	4 $\frac{3}{8}$	M/S
1.4	44 $\frac{3}{8}$	62	D	M	M	M	M	M	4 $\frac{1}{8}$	M/S
1.5	45	63	D	M	M	M	M	M	4	M/S
1.6	45 $\frac{1}{2}$	64 $\frac{1}{4}$	D	M	M	M	M	M	3 $\frac{7}{8}$	M/S
1.7	46	65	D	M	M	M	M	M	3 $\frac{3}{4}$	M
1.8	46 $\frac{1}{2}$	65 $\frac{5}{8}$	D	M	M	M	M	M	3 $\frac{5}{8}$	M
1.9	46 $\frac{3}{8}$	66 $\frac{3}{8}$	D	M	M	M	M	M	3 $\frac{1}{2}$	M
1.10	47	67	D	M	M	M	M	M	3 $\frac{1}{4}$	M
1.11	47 $\frac{3}{4}$	67 $\frac{1}{2}$	D	M	M	M	M	M	3 $\frac{1}{4}$	M
1.12	48 $\frac{1}{4}$	68 $\frac{3}{8}$	D	M	M	M	M	M	3 $\frac{3}{16}$	M
1.13	48 $\frac{3}{4}$	69 $\frac{3}{16}$	D	M	M	M	M	M	3 $\frac{1}{8}$	M

THE INJECTION WELLS ARE MEASURED FROM TOP OF CELLAR GRATING TO TOP OF WATER.
POINTS #12 THRU #18 ARE OBSERVED AS D=DRY; M=MOIST; S=SATURATED; W=WET (INCHES OF WATER).
*SEE ATTACHMENT A FOR GROUND/SURFACE WATER CONDITION DESCRIPTIONS. F= FROZEN

EMPIRE GEOTHERMAL POWER NT
GROUND/SURFACE WATER MONITORING

	DATE	32	32A	42	POINT#12	POINT#13	POINT#14	POINT#15	POINT#16	POINT#17	POINT#18
0700	12.6	43	25 $\frac{3}{4}$	22	3 $\frac{1}{2}$	$\frac{1}{4}$	M/S	M	S	4	S
1100	12.6	43	25 $\frac{3}{4}$	22	3 $\frac{1}{2}$	$\frac{1}{4}$	M/S	M	S	4	S
1500	12.6	43	25 $\frac{3}{4}$	22	3 $\frac{1}{2}$	$\frac{1}{4}$	M/S	M	S	4	S
0700	12.7	42 $\frac{3}{4}$	25 $\frac{3}{4}$	21 $\frac{15}{16}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M/S	M	S	4	S
1100	12.7	42 $\frac{5}{8}$	25 $\frac{3}{4}$	21 $\frac{3}{4}$	3 $\frac{3}{4}$	$\frac{1}{2}$	M/S	M	M	3 $\frac{7}{8}$	S
1500	12.7	42 $\frac{11}{16}$	25 $\frac{3}{4}$	21 $\frac{3}{4}$	3 $\frac{3}{4}$	5/8	M/S	M	M	3 $\frac{1}{2}$	M/S
0700	12.8	42 $\frac{9}{16}$	25 $\frac{1}{16}$	21 $\frac{3}{8}$	3 $\frac{3}{4}$	$\frac{3}{4}$	M/S	M	M	3 $\frac{1}{2}$	M/S
1100	12.8	42 $\frac{1}{2}$	25 $\frac{5}{8}$	21 $\frac{3}{8}$	3 $\frac{3}{4}$	$\frac{3}{4}$	M/S	M	M	3 $\frac{1}{2}$	M/S
1500	12.8	42 $\frac{5}{8}$	25 $\frac{3}{4}$	21 $\frac{3}{8}$	3 $\frac{5}{8}$	$\frac{3}{4}$	M/S	M	M	3 $\frac{1}{2}$	M/S
0700	12.9	42 $\frac{5}{16}$	25 $\frac{3}{8}$	20 $\frac{5}{8}$	3 $\frac{3}{4}$	$\frac{3}{4}$	M/S	M	M	3 $\frac{1}{2}$	M/S
1500	12.9	42 $\frac{5}{8}$	25 $\frac{1}{4}$	20 $\frac{5}{8}$	3 $\frac{3}{4}$	$\frac{3}{4}$	M/S	M	M	3 $\frac{1}{2}$	M/S
0700	12.10	41 $\frac{7}{8}$	25 $\frac{3}{8}$	20 $\frac{7}{16}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1100	12.10	41 $\frac{3}{8}$	25 $\frac{1}{4}$	20 $\frac{5}{8}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1500	12.10	41 $\frac{3}{8}$	25 $\frac{1}{4}$	20 $\frac{5}{8}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
0700	12.11	41 $\frac{9}{16}$	25 $\frac{3}{8}$	20 $\frac{1}{2}$	3 $\frac{1}{8}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{4}$	M
1100	12.11	42	25 $\frac{1}{4}$	20 $\frac{1}{2}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1500	12.11	42	25 $\frac{1}{4}$	20 $\frac{1}{2}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
0700	12.12	42	25 $\frac{5}{8}$	20 $\frac{3}{4}$	3 $\frac{1}{8}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1100	12.12	42	25 $\frac{1}{4}$	20 $\frac{3}{4}$	3 $\frac{3}{8}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1500	12.12	42	25 $\frac{1}{4}$	20 $\frac{1}{4}$	3 $\frac{7}{8}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
0700	12.13	41 $\frac{11}{16}$	25	20	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3 $\frac{1}{2}$	M
1500	12.13	41	24 $\frac{3}{4}$	19 $\frac{3}{4}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3	M
0700	12.14	41	24 $\frac{3}{4}$	19 $\frac{3}{4}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3	M
1100	12.14	41	24 $\frac{3}{4}$	19 $\frac{3}{4}$	3 $\frac{3}{4}$	$\frac{1}{4}$	M	M	M	3	M
1500	12.14	41 $\frac{1}{4}$	24 $\frac{1}{2}$	19 $\frac{3}{4}$	3 $\frac{7}{8}$	$\frac{1}{2}$	M	M	M	3 $\frac{1}{8}$	M
0700	12.15	41	24 $\frac{1}{2}$	19	3 $\frac{1}{8}$	$\frac{1}{2}$	M	M	M	3 $\frac{1}{4}$	M
	12.16	41	24 $\frac{1}{2}$	18 $\frac{1}{2}$	3 $\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	M/S	M/S	3 $\frac{1}{4}$	S/M
	12.17										
	12.18	40	26	21 $\frac{1}{2}$	3	$\frac{1}{4}$	M/S	M/S	M/S	3 $\frac{1}{4}$	M/S
	12.19	40	32 $\frac{1}{4}$	30 $\frac{1}{4}$	W	S	M/S	M	M	5 $\frac{1}{2}$	S/M
	12.20	40	37 $\frac{3}{8}$	35	S	S	S	M	M	5 $\frac{1}{2}$	M/S
	12.21	40	41 $\frac{1}{16}$	38 $\frac{1}{2}$	S	S	S	M	M	5 $\frac{1}{4}$	M/S
	12.22	40 $\frac{1}{2}$	44 $\frac{1}{16}$	41	M/S	M/S	M/S	M	M	5 $\frac{1}{4}$	M/S
	12.23		48	43 $\frac{1}{4}$	M/S	M/S	M/S	M	M	5 $\frac{1}{4}$	M/S
	12.24	41	49 $\frac{1}{4}$	45	M	M	M	M	M	5	M

THE INJECTION WELLS ARE MEASURED FROM TOP OF CELLAR GRATING TO TOP OF WATER.
POINTS #12 THRU #18 ARE OBSERVED AS D=DRY; M=MOIST; S=SATURATED; W=WET (INCHES OF WATER).
*SEE ATTACHMENT A FOR GROUND/SURFACE WATER CONDITION DESCRIPTIONS.

EMPIRE GEOTHERMAL POWER PLANT
GROUND/SURFACE WATER MONITORING

	DATE	32	32A	42	POINT#12	POINT#13	POINT#14	POINT#15	POINT#16	POINT#17	POINT#18
0700	11.24	47 $\frac{1}{4}$	28 $\frac{1}{2}$	30 $\frac{1}{4}$	2 $\frac{3}{4}$	$\frac{1}{2}$	M/S	M/S	M/S	M	M
1100	11.24	47 $\frac{1}{2}$	28 $\frac{1}{2}$	30	2 $\frac{3}{4}$	$\frac{1}{2}$	M	M	M	M	M
0500	11.24	47 $\frac{1}{4}$	28 $\frac{1}{4}$	29 $\frac{3}{4}$	3	$\frac{1}{2}$	M	M	M	M	M
0700	11.25	47	27 $\frac{3}{4}$	28 $\frac{1}{2}$	3	$\frac{1}{2}$	M	M	M	M	M
1100	11.25	47	27 $\frac{11}{16}$	28 $\frac{5}{8}$	3 $\frac{1}{4}$	$\frac{1}{2}$	M	M	M	M	M
1500	11.25	46 $\frac{7}{8}$	27 $\frac{5}{8}$	28 $\frac{1}{2}$	3 $\frac{7}{16}$	$\frac{1}{2}$	M	M	M	M	M
0700	11.26	46 $\frac{1}{2}$	27 $\frac{5}{8}$	27 $\frac{5}{8}$	3 $\frac{5}{8}$	$\frac{1}{2}$	M	M	M	M	M
1100	11.26	46 $\frac{1}{2}$	27 $\frac{5}{8}$	27 $\frac{5}{8}$	3 $\frac{1}{4}$	$\frac{5}{8}$	M	M	M	M	M
1500	11.26	46 $\frac{1}{2}$	27 $\frac{1}{16}$	27 $\frac{1}{2}$	3 $\frac{1}{16}$	$\frac{7}{16}$	M	M	M	M	M
0700	11.27	46 $\frac{7}{16}$	26 $\frac{7}{8}$	26 $\frac{13}{16}$	4 $\frac{1}{2}$?	$\frac{1}{2}$	M	M	M	M	M
1100	11.27	46 $\frac{1}{16}$	26 $\frac{7}{8}$	26 $\frac{3}{4}$	4 $\frac{1}{2}$?	$\frac{1}{2}$	M	M	M	M	M
1500	11.27	46 $\frac{1}{16}$	26 $\frac{3}{4}$	26 $\frac{1}{2}$	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
0700	11.28	45 $\frac{3}{4}$	26 $\frac{1}{4}$	25 $\frac{3}{4}$	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
1100	11.28	45 $\frac{3}{4}$	26 $\frac{1}{4}$	25 $\frac{1}{2}$	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
1500	11.28	45 $\frac{3}{4}$	26 $\frac{5}{16}$	25 $\frac{1}{2}$	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
0700	11.29	45 $\frac{7}{16}$	26 $\frac{1}{4}$	25	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
1100	11.29	45 $\frac{5}{16}$	26 $\frac{1}{4}$	25	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
1500	11.29	45 $\frac{5}{16}$	26	25	3 $\frac{1}{2}$	$\frac{1}{2}$	M	M	M	M	M
0700	11.30	44 $\frac{1}{2}$	25 $\frac{3}{4}$	22 $\frac{1}{2}$	3 $\frac{3}{4}$	$\frac{1}{2}$	W	W	W	W	W
1500	11.30	44 $\frac{1}{2}$	25 $\frac{3}{4}$	22 $\frac{1}{2}$	3 $\frac{3}{4}$	$\frac{1}{2}$	W	W	W	W	W
0700	12.1	44 $\frac{5}{16}$	25 $\frac{3}{4}$	22 $\frac{1}{4}$	3 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	W	W	4	W
1100	12.1	44 $\frac{1}{4}$	25 $\frac{11}{16}$	22 $\frac{3}{16}$	3 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	W	W	4	W
1500	12.1	44 $\frac{1}{8}$	26	22 $\frac{3}{8}$	3 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	W	W	4 $\frac{1}{16}$	W
0700	12.2	43 $\frac{3}{4}$	25 $\frac{7}{8}$	22 $\frac{1}{4}$	3 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	W	W	4	W
1100	12.2	43 $\frac{3}{4}$	25 $\frac{5}{8}$	22 $\frac{1}{4}$	3 $\frac{3}{8}$	$\frac{1}{2}$	1	W	W	4	W
1500	12.2	43 $\frac{3}{4}$	25 $\frac{2}{8}$	22 $\frac{1}{4}$	3 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{15}{16}$	W	W	3 $\frac{2}{8}$	W
0700	12.3	43 $\frac{1}{2}$	25 $\frac{1}{8}$	22 $\frac{1}{4}$	3 $\frac{5}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	W	W	3 $\frac{3}{4}$	W
1100	12.3	43 $\frac{1}{2}$	25 $\frac{5}{8}$	22 $\frac{1}{4}$	3 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	W	W	3 $\frac{3}{4}$	W
1500	12.3	43 $\frac{1}{2}$	25 $\frac{1}{8}$	22 $\frac{1}{4}$	3 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	M	M/S	3 $\frac{1}{4}$	M/S
0700	12.4	43 $\frac{1}{4}$	25 $\frac{3}{4}$	22	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M	M/S	3 $\frac{1}{4}$	M/S
1100	12.4	43 $\frac{1}{8}$	25 $\frac{7}{8}$	22 $\frac{1}{8}$	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M/S	M/S	3 $\frac{1}{8}$	S
1500	12.4	43 $\frac{1}{8}$	26	22	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M/S	M/S	4	S
0700	12.5	42 $\frac{3}{4}$	25 $\frac{2}{4}$	22 $\frac{1}{8}$	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M/S	S	3 $\frac{3}{4}$	S
1100	12.5	42 $\frac{3}{4}$	25 $\frac{3}{4}$	22 $\frac{1}{16}$	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M	S	3 $\frac{3}{4}$	S
1500	12.5	43	25 $\frac{3}{4}$	22	3 $\frac{1}{2}$	$\frac{1}{4}$	S	M	S	4 $\frac{1}{2}$	S

THE INJECTION WELLS ARE MEASURED FROM TOP OF CELLAR GRATING TO TOP OF WATER.
POINTS #12 THRU #18 ARE OBSERVED AS D=DRY; M=MOIST; S=SATURATED; W=WET (INCHES OF WATER).
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EMPIRE GEOTHERMAL POWER PLAN
INJECTION WELL MONITORING

	32A-21(0800)		42-21(0800)		32A-21(1200)		42-21(1200)		32A-21(1800)		42-21(1800)	
DATE	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW
12.14	24.0	8600	25.0	1967	24.0	8600	25	1967	24.0	8600	25	1967
12.15									25.0	872	25	1918
12.16	25.0		23.0									
→ 12.17												
→ 12.18	9.0	SI	24.2									
12.19	6	SI	17.0	1795								
12.20	SI	⊖	16.0	1918								
12.21	SI	⊖	20.0									
12.22	SI	⊖	20.3									
12.23	SI	⊖	21.0									
12.24	SI	⊖	21.0	2125								
12.25	SI	⊖	21.0	2125								
12.26	SI	⊖	21.5	2150								
12.27	SI	⊖	22	2170								
12.28	SI	⊖	21.5	2170								
12.29	SI	⊖	21.5	2170								
12.30	SI	⊖	21.5	2170								
12.31	SI	⊖	21.5	2171								
1.1	SI	⊖	22.0	2169								
1.2	SI	⊖	21.5	2194								
1.3	SI	⊖	21.5	2078								
1.4	SI	⊖	21.5	*								
1.5	SI	⊖	21.0	*								
1.6	SI	⊖	21.0	*								
1.7	SI	⊖	21.0	2163								
1.8	SI	⊖	21.0	2163								
1.9	SI	⊖	21.0	2163								
1.10	SI	⊖	21.0	2163								
1.11	SI	⊖	21.0	2163								
1.12	SI	⊖	21.0	2134								
1.13	SI	⊖	21.0	2163								

* Doppler To Soda Lake

EMPIRE GEOTHERMAL POWER PLANT
INJECTION WELL MONITORING

DATE	32A-21(0800)		42-21(0800)		32A-21(1200)		42-21(1200)		32A-21(1800)		42-21(1800)	
	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW	WHP	FLOW
11.9	19	755	21	1925					20		25	
11.10	19	780	25.5	1955	19	780	25.5	1955	19	790	25.5	1950
11.11	19	800	25.5	2010	19.5	800	26	2010	19.5	805	26	2000
11.12	19.5	795	26	2000	19.5	795	26.5	2000	19	790	27	2010
11.13	20	765	26.8	2005	19	765	27	2005	19	780	27	2000
11.14	19	770	27	1980	19	770	27	1980	19	780	27	1975
11.15	19	760	27	1975	19	760	27	1975	19	780	27	1980
11.16	19	760	26.5	1980	DOWN	⊖	DOWN	⊖	22	820	26.5	2010
11.17	22.2	800	26.5	2010	DOWN	⊖	DOWN	⊖	22.2	835	26.4	2080
11.18	22.2	840	26.4	2075					22.0	840	26.5	2080
11.19	22.0	835	26.2	2075	22.0		27.0		22.0		27.0	
11.20	22.0	840	27.0	2010	22.0	800	27.0	1975	22.0	835	27.0	2000
11.21	22.0	942	27.0	2143	23	836	27.0	1967	22.0	762	27.0	1943
* 11.22	22.0	1008	27.0	2040	22.0	1008	27.0	2040	22.0	-	27.3	-
11.23	N/A	N/A	N/A	N/A	24.0	1010	26.2	2017	24.0	1010	26.8	2017
11.24	24.0	1010	26.6	2066	23.6	1000	26.5	2066	23.5	1010	27.0	2107
11.25	24.0	^{36.5} 1017	26.4	2110	24.0	^{37.5} 1010	26.0	^{145.0} 2110	24	^{37.5} 1010	26.0	¹⁴⁵ 2110
11.26	24.0	^{32.5} 1010	26.0	¹⁴⁵ 2110	24.0	^{37.5} 1010	26.0	^{145.0} 2110	24.0	^{37.5} 1010	26.0	¹⁴⁵ 2110
11.27	24.0	^{32.5} 1010	26.0	¹⁴⁵ 2110	24.0	³⁸ 1017	26.3	¹⁴⁵ 2110	24.0	^{37.5} 1010	26.3	¹⁴⁵ 2110
* 11.28	24.0	^{32.5} 1010	26.3	¹⁴⁵ 2110	24.0	^{37.5} 1010	26.0	¹⁴⁵ 2110	24.0	^{37.5} 1010	26.3	¹⁴⁵ 2110
* 11.29					24.0	³⁸ 1017	26.0	¹⁴⁵ 2110	24.0	^{37.5} 1010	26.5	¹⁴⁵ 2110
* 11.30									24.0	^{38.5} 1024	27.2	¹⁴¹ 2078
* 12.1	24.0	^{38.5} 1023	27	¹⁴⁴ 2092	24.0	^{38.5} 1023	27	¹⁴⁴ 2092	24	^{38.5} 1023	26	¹⁴⁵ 2092
12.2	24.0	^{38.5} 1023	26.5	¹⁴³ 2092	24.0	^{38.5} 1024	26.5	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.5	¹⁴⁵ 2107
12.3	24.0	^{38.5} 1024	26.3	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.5	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.3	¹⁴⁴ 2100
* 12.4	24.0	^{38.5} 1024	26.3	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.3	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.3	¹⁴⁴ 2100
12.5	24.0	^{38.5} 1024	26.5	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.5	¹⁴⁴ 2100	24.0	^{38.5} 1024	26.5	¹⁴⁴ 2100
* 12.6	24.0	³⁹ 1030	26.2	¹⁴⁴ 2100	24.0	³⁹ 1030	26.5	¹⁴⁴ 2100	24.0	^{40.5} 1050	26.0	¹⁴¹ 2078
12.7	24.0	⁴¹	26	¹⁴⁴	25.0		26.0		25.0		25.5	
* 12.8	25.0		25.5		25.0		25.5		25.0		25.5	
12.9	25.0		25.5		25.0	838	25.5	2090	25.0	838	26.0	2090
12.10	25.0	838	25.5	2090	25.0	838	^{25.5} 2090	25.0		26.0		
12.11	25.0		25.5		25.0	860	25.6	1967	25.0	860	25.5	1967
12.12	25.0	860	25.8	1967	24.7	872	25.5	2066	25.0	872	25.5	2066
12.13	25.0	860	25.5	1967	25	860	25.5	1967	24.0	860	25.0	1967

* = precipitation.

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

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 TRIPLICATE - Company File

**INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

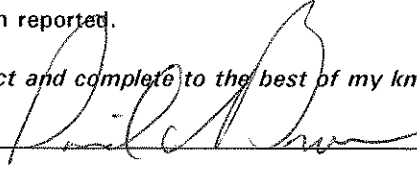
Plant EMPIRE County WASHOE Month of DECEMBER, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	----- °F
53-21	187			73,879,200	241 °F
52-21	736			36,156,300	256 °F
TOTAL KWHR		1,440,001	992,800		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print Name Dave Brown

Telephone (503) 636-9620

Date 1/8/94

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
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**INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

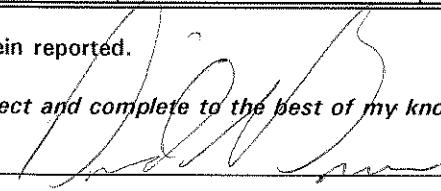
Plant EMPIRE County WASHOE Month of NOVEMBER, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	----- °F
53-21	187			78,895,500	242 °F
52-21	736			47,318,700	257 °F
TOTAL kWHR		1,486,875	1,052,000		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print Name Dave Brown

Telephone (503) 636-9620

Date 12/16/93

STATE OF NEVADA
DEPARTMENT OF MINERALS
400 W. King Street, Suite 106
Carson City, Nevada 89710
(702) 687-5050

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INDUSTRIAL CLASS
GEOHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Div. of Minerals

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

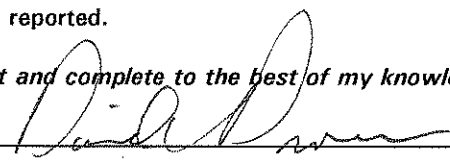
Plant EMPIRE County WASHOE Month of OCTOBER, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	---- °F
53-21	187			78,788,600	241 °F
52-21	736			43,857,500	256 °F
TOTAL kWHR		1,238,439	792,800		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print Name Dave Brown

Telephone (503) 636-9620

Date 11-17-93

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

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INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

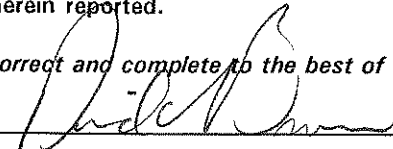
Plant EMPIRE County WASHOE Month of SEPTEMBER, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	---- °F
53-21	187			88,146,700	241 °F
52-21	736			49,193,300	254 °F
TOTAL kWHR		1,284,376	843,200		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print Name Dave Brown

Telephone (503) 636-9620

Date 10/14/93

STATE OF NEVADA
 DEPARTMENT OF MINERALS
 400 W. King Street, Suite 106
 Carson City, Nevada 89710
 (702) 687-5050

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**INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

Plant EMPIRE County WASHOE Month of AUGUST, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	---- °F
53-21	187			89,437,000	241 °F
52-21	736			52,702,000	255 °F
TOTAL KWHR		1,291,251	844,000		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print Name Dave Brown

Telephone (503) 636-9620

Date 9/20/93

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106

Carson City, Nevada 89710

(702) 687-5050

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**INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

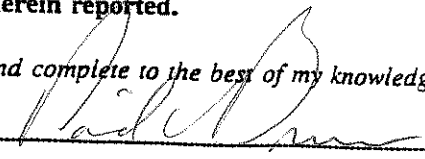
Plant EMPIRE County WASHOE Month of JULY 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			86,381,100	241 F
52-21	136			51,302,800	255 F
TOTAL KWHR		1,273,438	824,000		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print name Dave Brown

Telephone (503) 636-9620

Date 8/10/93

INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407

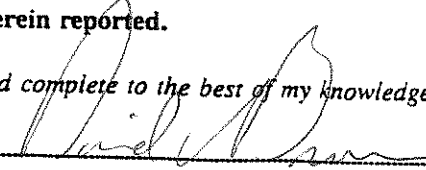
Plant EMPIRE County WASHOE Month of JUNE 93
19.....

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			86,234,500	242 F
52-21	136			49,424,700	256 F
TOTAL KWHR		1,254,376	841,296		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print name Dave Brown

Telephone (503) 636-9620

Date _____

DEPARTMENT OF MINERALS

400 W. King Street, Suite 106

Carson City, Nevada 89710

(702) 687-5050

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**INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

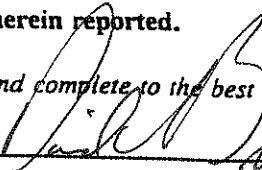
Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407
 Plant EMPIRE County WASHOE Month of MAY 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			86,755,500	242 F
52-21	136			53,388,000	256 F
TOTAL KWHR		1,395,001	962,064		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print name Dave Brown

Telephone (503) 636-9620

Date _____

INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407
 Plant EMPIRE County WASHOE Month of APRIL 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			60,307,200	243 F
52-21	136			32,140,800	257 F
TOTAL KWHR		1,520,938	1,038,000		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature 

Print name Dave Brown

Telephone (503) 636-9620

Date _____

INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company..... NEVADA OPERATIONS, INC. Address..... P.O. BOX 1650 FALLON, NV. 89407
Plant..... EMPIRE County..... WASHOE Month of....., 19..... 93

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			61,276,200	243 F
52-21	136			32,750,025	257 F
TOTAL kWHR		1,447,813	1,043,664		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature.....

Print name..... Dave Brown

Telephone..... (503) 636-9620

Date.....

INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407
 Plant EMPIRE County WASHOE Month of FEBRUARY, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			52,591,800	243 F
52-21	136			28,017,600	257 F
TOTAL kWHR		1,453,438	910,656		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature.....
 Print name..... Joe Fahrendorf
 Telephone..... (503) 636-9620
 Date.....

INDUSTRIAL CLASS GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT

Company NEVADA OPERATIONS, INC. Address P.O. BOX 1650 FALLON, NV. 89407
 Plant EMPIRE County WASHOE Month of JANUARY, 1993

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp.
43-21	107			0	-
53-21	187			66,944,700	244 F
52-21	136			35,691,800	258 F
TOTAL KWHR		1,771,251	1,335,792		

This report to be filed by the end of the month following the month herein reported.

I hereby certify that the information given herewith is true, correct and complete to the best of my knowledge.

Signature.....

Print name Joe Fahrendorf

Telephone (503) 636-9620

Date.....