

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF MINERALS
400 W. King Street, Suite 106
Carson City, Nevada 89710
(702) 687-5050 • Fax (702) 687-3957

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DUPLICATE - Div. NBMG
TRIPLICATE - Company File

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JAN 06 2004

Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

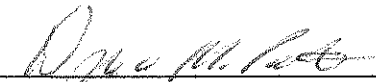
Plant/Project Empire County Washoe Month of December, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,323,360	41,024,160	209°F	49psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	5,124,960	158,873,760	206°F	39 psi	

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 

Position Environmental Coordinator

Date 1/5/04

(REV 9/13/96 LV)

Empire Energy, LLC

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JAN 06 2004

Division of Minerals

January 5, 2004

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for December, 2003

Dear Linda,

Enclosed is the December 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003394.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of December are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

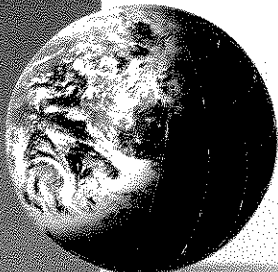
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
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DEC 05 2003

COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT *Division of Minerals*

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

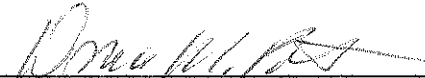
Plant/Project Empire County Washoe Month of November, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,342,080	37,578,240	193°F	39psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	4,442,400	124,387,200	205°F	48 psi	

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 

Position Environmental Coordinator

Date 12/4/03

(REV 9/13/96 LV)

Empire Energy, LLC

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DEC 05 2003

December 4, 2003

Division of Minerals

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for November, 2003

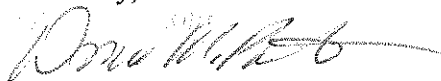
Dear Linda,

Enclosed is the November 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of November are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

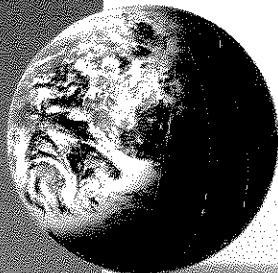
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT 17751 557-2812

STATE OF NEVADA
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NOV 13 2003

Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

Plant/Project Empire County Washoe Month of October, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,173,600	30,513,600	209°F	47psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	5,012,640	130,328,640	209°F	42 psi	

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 

Position Environmental Coordinator

Date 11/10/03

(REV 9/13/96 LV)

Empire Energy, LLC

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NOV 13 2003

Division of Minerals

November 10, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for October, 2003

Dear Linda,

Enclosed is the October 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of October are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

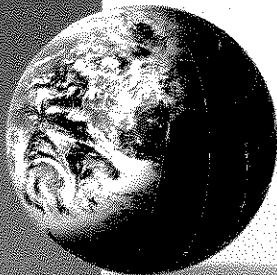
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



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COMMERCIAL AND INDUSTRIAL CLASS Division of Minerals
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

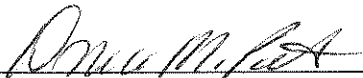
Plant/Project Empire County Washoe Month of September, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,072,800	32,184,000	213°F	48psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	5,355,360	160,660,800	212°F	35 psi	

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 

Position Environmental Coordinator

Date 10/9/03

(REV 9/13/96 LV)

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SEP 10 2003

STATE OF NEVADA
 DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF MINERALS
 400 W. King Street, Suite 106
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Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
 GEOTHERMAL ELECTRIC PRODUCERS MONTHLY REPORT**

Company Empire Energy, LLC

Address P.O. Box 40, Empire, NV 89405

Plant/Project Empire

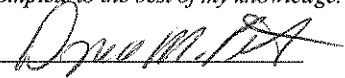
County Washoe Month of August, 2003

PLANT OUTPUT

Well No.	Permit No.	KWH Produced	KWH to Sales	Gallons Produced	Average Temp
52-21	136			0	
65C-16	360			0	
75B-16	403			96,913,440	293.2°F
75-16	312				
76-16	418			111,600,000	288.9°F
		2,252,388	1,734,400		
0					

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 Donna M. Potter

Telephone (775) 557-2015

Date 9/8/03

(REV 9/13/96 LV)

Empire Energy, LLC

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SEP 10 2003

Division of Minerals

September 8, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for August 2003

Dear Linda,

Enclosed is the August 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of August are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

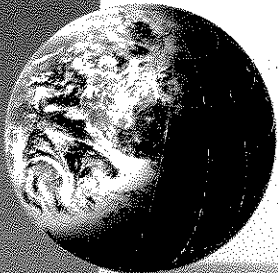
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

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AUG 13 2003

Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

Plant/Project Empire County Washoe Month of July, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOTHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,375,200	42,631,200	228°F	65psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	4,638,240	126,878,400	217°F	37 psi	

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 

Position Environmental Coordinator

Date 8/11/03

(REV 9/13/96 LV)

Empire Energy, LLC

RECEIVED

AUG 13 2003

Division of Minerals

August 11, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for July 2003

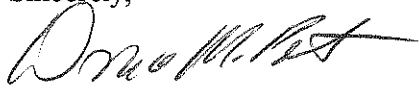
Dear Linda,

Enclosed is the July 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of July are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

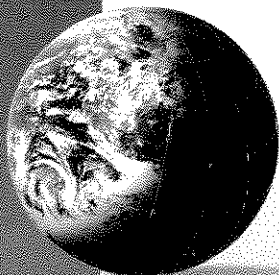
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



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EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

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JUL 10 2003

COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Division of Minerals

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

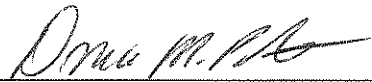
Plant/Project Empire County Washoe Month of June, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	1,251,360	37,540,800	230°F	69psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	4,229,280	126,878,400	209°F	28 psi	

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 

Position Environmental Coordinator

Date 7/9/03

(REV 9/13/96 LV)

Empire Energy, LLC

RECEIVED

JUL 10 2003

Division of Minerals

July 9, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for June 2003

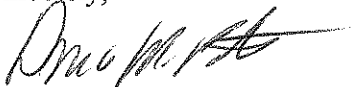
Dear Linda,

Enclosed is the June 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of June are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

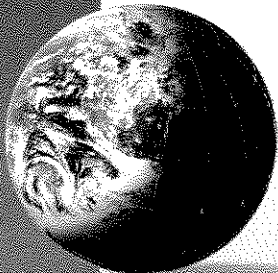
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

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JUN 13 2003

COMMERCIAL AND INDUSTRIAL CLASS Division of Minerals
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

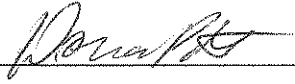
Plant/Project Empire County Washoe Month of May, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	3,456,000	214°F	22 psi	
Empire KGRA	43-21	1,490,400	17,884,800	214°F	26psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	0	0	°F	psi	
Empire KGRA	53-21	2,160,000	25,920,000	214°F	10 psi	
Empire KGRA	180 day surface discharge	6,530,400	124,077,600	201°F	45 psi	

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 

Position Environmental Coordinator

Date 6/11/03

(REV 9/13/96 LV)

Empire Energy, LLC

RECEIVED

JUN 13 2003

Division of Minerals

June 11, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for May 2003

Dear Linda,

Enclosed is the May 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of May are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters.

On April 30, Empire Energy began re-injecting geothermal fluid until repair work to the cooling sprayers associated with the 180 day surface discharge could be completed. The work was completed on May 12, 2003 and we resumed the surface discharge May 13, 2003.

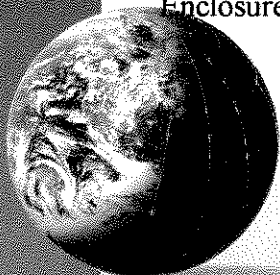
Please let me know if we can provide additional information.

Sincerely,



Donna M. Potter
Environmental Coordinator

Enclosures



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

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MAY 09 2003

Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

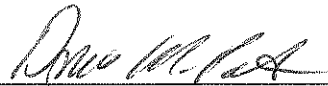
Plant/Project Empire County Washoe Month of April, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	430,560	12,486,240	235°F	53 psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	3,186,720	95,601,600	201°F	45 psi	

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 

Position Environmental Coordinator

Date 5/7/03

(REV 9/13/96 LV)

Empire Energy, LLC

RECEIVED

MAY 09 2003

Division of Minerals

May 7, 2003

Ms. Linda Wells
Nevada Division of Minerals
400 W. King Street, Suite 106
Carson City, Nevada 89710

RE: Monthly Geothermal Production & Injection Report for April 2003

Dear Linda,

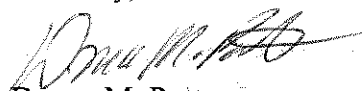
Enclosed is the April 2003 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently surface discharging from injection well 51-16 under NDEP Permit NEV-94003 and we have diverted from all other injection wells to the surface for the 180 day surface discharge of all geothermal water under NDEP permit TNEV-2003319.

The flow rates for 76-16 and the flow rates to the surface discharges for the month of April are estimated due to instrument failure. We believe the newly installed Central Station Control wiring is having signal/communication problems with the flow meters. Our next shut down to repair the wiring is scheduled for next week.

On April 30, Empire Energy began re-injecting geothermal fluid until repair work to the cooling sprayers associated with the 180 day surface discharge could be completed. We expect to resume the surface discharge by next week.

Please let me know if we can provide additional information.

Sincerely,


Donna M. Potter
Environmental Coordinator



P.O. BOX 40
EMPIRE, NEVADA 89405
(775) 557-2015
PI ANT (775) 557-2812

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF MINERALS
400 W. King Street, Suite 106
Carson City, Nevada 89710
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**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

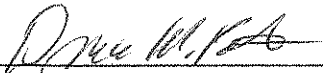
Plant/Project Empire County Washoe Month of March, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	360,000	11,160,000	230°F	30 psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	2,910,936	90,239,040	205°F	48 psi	

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 

Position Environmental Coordinator

Date 4/3/03

(REV 9/13/96 LV)

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
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**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Division of Minerals

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

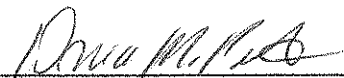
Plant/Project Empire County Washoe Month of February, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	432,000	12,096,000	253°F	45 psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	5,617,440	106,600,320	202°F	53 psi	

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 

Position Environmental Coordinator

Date 3/11/03

(REV 9/13/96 LV)

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
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Division of Minerals

**COMMERCIAL AND INDUSTRIAL CLASS
GEOHERMAL SUBSURFACE INJECTION MONTHLY REPORT**

Company Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405

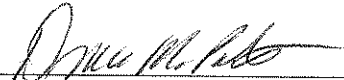
Plant/Project Empire County Washoe Month of January, 2003

Show each injection well separately. File not later than the last day of the month for the preceding month.

Field and lease name	Well No.	GEOHERMAL FLUIDS INJECTED		Average Temp.	Injection Pressure	Reservoir depth & formation
		Gallons per day	Gallons per month			
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	0	0	°F	psi	
Empire KGRA	43-21	0	0	°F	psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16 surface discharge	576,000	17,856,000	241°F	78 psi	
Empire KGRA	53-21	0	0	°F	psi	
Empire KGRA	180 day surface discharge	5,392,800	167,176,800	210°F	42 psi	

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 

Position Environmental Coordinator

Date 2/7/03

(REV 9/13/96 LV)