ORIGINAL - Div. File DUPLICATE - Div. NBMG TRIPLICATE - Company File

DIVISION OF MINERALS

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957

COMMERCIAL AND INDUSTRIAL CLASS GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Company Empire Energy, LLC		Addres	s P.O. Box 40, En	npire, NV 8940	05	
Plant/Project Empire		_ County <u>Washo</u>	Month of	Decer	nber, 2005	tere med time to the control of the
Show each injection well separately.	File not later tha	n the last day of the	e month for the prece	eding month.		
		GEOTHERMAL I	GEOTHERMAL FLUIDS INJECTED			
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	89,280,000	211°F	21 psi	
Empire KGRA	43-21	1,880,640	58,299,840	211°F	7 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	66,960,000	211°F	6 psi	
This report to be filed by the end I hereby certify that the inform		_	_	hest of my kno	wledge	1
1 hereby certify that the informa	anon given nerew	un is true, correct		,		
		Signatur	re_ <i>\$\)Mu</i>	M. St.	Mune	VI
		Position	n Environmental	Coordinator		
		Date	1/13/05			
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		(REV 9/13/96 L

Sh

## 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 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File

RECEIVED

DEC 1 6 2005

ant/Project Empire		_ County <u> Washo</u>	eMonth of	Nove	mber, 2005	
now each injection well separately.	File not later than			ling month.		
		GEOTHERMAL F	LUIDS INJECTED			
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	86,400,000	209°F	22 psi	
Empire KGRA	43-21	1,854,720	55,641,600	209°F	7 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	64,800,000	209°F	6 psi	
nis report to be filed by the end			-	best of my kno	wledge.	
		Signatur	•	1. Star	WMUS	
		Position	Environmental C	Coordinator	***************************************	
		Date	12/12/05			(REV 9/13/96 )

Ahr

## 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 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File
Fig. 1884 (48) 1883 1 N J

RECEIVED

NOV 1 4 2005

		GEOTHERMAL FLUIDS INJECTED				
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoi depth & formatio
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	54,720,000	201°F	18 psi	
Empire KGRA	43-21	1,673,280	48,525,120	19 <b>7°</b> F	6 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	41,040,000	201°F	6 psi	
report to be filed by the end of the hereby certify that the informa				best of my kno	wledge.	
report to be filed by the end of hereby certify that the informa				best of my kno	wledge.	

#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File

The Company Fi

OCT 1 8 2005

Division of Minerals

# COMMERCIAL AND INDUSTRIAL CLASS GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Company Empire Energy, LLC	Marine	Address	s P.O. Box 40, En	npire, NV 8940	)5	<del></del>
Plant/Project Empire		_ County Washo	eMonth of	Septer	mber, 2005	
how each injection well separately	. File not later than	n the last day of the	month for the prece	ding month.		
		GEOTHERMAL FLUIDS INJECTED				
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	69,120,000	204°F	17 psi	
Empire KGRA	43-21	1,526,400	45,792,000	205°F	8 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	51,840,000	204°F	6 psi	
his report to be filed by the end	of the month foll	owing the month l	nerein reported.			
I hereby certify that the inform	ation given herew	ith is true, correct o	and complete to the	best of my kno	wledge.	
		Signatur	re <i>Ony 11</i>	n. Stan	muss	
	ESP. ,	Position	Environmental (	Coordinator		to a party of the control of the con
		Date	10/17/05			
		*****				(REV 9/13/96 LV

#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File DUPLICATE - Div. NBMG TRIPLICATE - Company File

RECEIVED

SEP 1 4 2005

nt/Project Empire	File not later than	_ County <u>Washo</u>	e Month of	Augus	st 2005	
	File not later than				31, 2005	
w each injection well separately.		n the last day of the	month for the prece	eding month.		
		GEOTHERMAL FLUIDS INJECTED				
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	89,280,000	213°F	17 psi	
Empire KGRA	43-21	1,501,920	46,559,520	213°F	6 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	66,960,000	213°F	6 psi	
s report to be filed by the end of			_	best of my kno	wledge.	
		Signatur	e <i>Omo j</i>	M. J. S. James		
		Position	Environmental	Coordinator	mayali dalipakan kinasa anagangan gabbapi kinasahapinga kinasahan gabapa manafiji dali bi dal	
		Date	9/12/05			(REV 9/13/96)



SEP 1 4 2005

Division of Minerals

September 12, 2005

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, 2005

Dear Linda,

Enclosed is the August 2005 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently allowed to surface discharge from injection well 51-16 under NDEP Permit NEV-94003.

The flow rates for 76-16 and injection wells for this month 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



#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File

Research

AUG 2 5 2005

Field and lease name			GEOTHERMAL FLUIDS INJECTED			į
	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	20,160,000	214°F	16 psi	
Empire KGRA	43-21	2,008,800	62,272,800	196°F	5 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	15,120,000	214°F	10 psi	
s report to be filed by the end o				e best of my kno	wledge.	
, w		Signatu	Drug	M. fec		
		Position	Environmental	Coordinator		

#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File DUPLICATE - Div. NBMG TRIPLICATE - Company File

REGENED

JUL 1 8 2005

		GEOTHERMAL FLUIDS INJECTED				
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	54,720,000	217°F	11 psi	
Empire KGRA	43-21	1,392,480	41,774,400	217°F	6 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	34,560,000	217°F	7 psi	
is report to be filed by the end of			· ·	best of my kno	wledge.	
		Signatur	e Doma	y MLSG		annohandan, say ana ang datop pananda dagi plandan dari
		Position	Environmental	Coordinator		

#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File DUPLICATE - Div. NBMG TRIPLICATE - Company File

RECEIVED

JUN 2 4 2005

		GEOTHERMAL FLUIDS INJECTED				
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	89,280,000	219°F	18 psi	
Empire KGRA	43-21	420,480	13,034,880	219°F	9 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	66,960,000	215°F	10 psi	
s report to be filed by the end  I hereby certify that the inform		<u> </u>	-	best of my kno	wledge.	
		Signatur	e Done	MAGA	704tak pegyugu	
				•		

#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File

MAY 0 5 2005

		GEOTHERMAL FLUIDS INJECTED	GEOTHERMAL FLUIDS INJECTED			
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	86,400,000	215°F	16 psi	
Empire KGRA	43-21	980,640	29,419,200	215°F	8 psi	
Empire KGRA	35-21	0	0			: :
Empire KGRA	51-16	0	0	0°F	psi	
Empire KGRA	53-21	2,160,000	64,800,000	215°F	9 psi	
report to be filed by the end of hereby certify that the informa		-	and complete to the	e best of my kno	wledge.	
				M. fits		

Alu_

RECEIVED

MAY 0 5 2005

Division of Minerals

May 3, 2005

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, 2005

Dear Linda,

Enclosed is the April 2005 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently allowed to surface discharge from injection well 51-16 under NDEP Permit NEV-94003.

The flow rates for 76-16 and injection wells for this month 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** 



DIVISION OF MINERALS

400 W. King Street, Suite 106 Carson City, Nevada 89710

(702) 687-5050 • Fax (702) 687-3957

ORIGINAL - Div. File DUPLICATE - Div. NBMG TRIPLICATE - Company File

RECEIVED

APR 1 3 2005

Division of Minerals

(REV 9/13/96 LV)

## COMMERCIAL AND INDUSTRIAL CLASS Division GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT

Empire Energy, LLC Address P.O. Box 40, Empire, NV 89405 Company Plant/Project Empire County Washoe Month of March, 2005 Show each injection well separately. File not later than the last day of the month for the preceding month. GEOTHERMAL FLUIDS INJECTED Reservoir Injection Gallons per Gallons per Average depth & Field and lease name Well No. month Temp. Pressure formation day 0 0 45-21 Empire KGRA 2,880,000 89,280,000 Empire KGRA 42-21 209°F 14 psi 1,503,360 46,604,160 Empire KGRA 43-21 209°F 7 psi Empire KGRA 35-21 0 0 Empire KGRA 51-16 0 0 0°F psi 2,160,000 66,960,000 Empire KGRA 53-21 209°F 6 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

4/11/05

Date

RECEIVED

APR 1 3 2005

Division of Minerals

April 11, 2005

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

RE: Monthly Geothermal Production & Injection Report for March, 2005

Dear Linda,

Enclosed is the March 2005 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently allowed to surface discharge from injection well 51-16 under NDEP Permit NEV-94003.

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

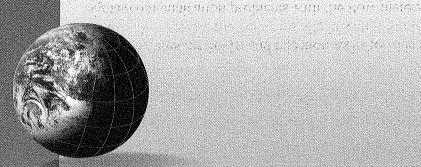
Please let me know if we can provide additional information.

Sincerely,

Donna M. Potter

**Environmental Coordinator** 

**Enclosures** 



#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File

MAR 0 9 2005

		GEOTHERMAL F	GEOTHERMAL FLUIDS INJECTED			
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	54,720,000	212°F	13 psi	
Empire KGRA	43-21	1,275,840	35,723,520	207°F	12 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	240,480	3,126,240	250°F	39psi	
Empire KGRA	53-21	2,160,000	41,040,000	212°F	6 psi	·
is report to be filed by the end of			-	best of my kno	wledge.	
, o	C	Signatur	re_ Dmu	M. Ast		
		Position	Environmental (	Coordinator		VIII 4 MARIE VIII VIII VIII VIII VIII VIII VIII V

RECEIVED

MAR 0 9 2005

Division of Minerals

February 10, 2005

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

RE: Monthly Geothermal Production & Injection Report for February, 2005

Dear Linda,

Enclosed is the February 2005 monthly report for the Empire Energy, LLC - Empire geothermal power plant. We are currently allowed to surface discharge from injection well 51-16 under NDEP Permit NEV-94003.

Injection Well 51-16 was bypassed and fluid surface discharged for this month due to the cold weather, however, fluid did not reach the outflow channel from the cell, so no water samples were required.

The flow rates for 76-16 and injection wells for this month 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** 

Umu Mohat

**Enclosures** 

Mar Halling



#### **DIVISION OF MINERALS**

400 W. King Street, Suite 106 Carson City, Nevada 89710 (702) 687-5050 • Fax (702) 687-3957 ORIGINAL - Div. File
DUPLICATE - Div. NBMG
TRIPLICATE - Company File
REFERENCE - COMPANY FILE
RE

FEB 1 4 2005

Division of Minerals

# COMMERCIAL AND INDUSTRIAL CLASS GEOTHERMAL SUBSURFACE INJECTION MONTHLY REPORT

ompany Empire Energy, LLC		Address	s P.O. Box 40, En	npire, NV 8940	)5	
ant/Project Empire		_ County <u>Washo</u>	e Month of	Janua	ry, 2005	
ow each injection well separately.	File not later than	n the last day of the	month for the prece	ding month.		
		GEOTHERMAL F	LUIDS INJECTED			
Field and lease name	Well No.	Gallons per day	Gallons per month	Average Temp.	Injection Pressure	Reservoir depth & formation
Empire KGRA	45-21	0	0			
Empire KGRA	42-21	2,880,000	48,960,000	213°F	9 psi	
Empire KGRA	43-21	871,200	19,166,400	208°F	10 psi	
Empire KGRA	35-21	0	0			
Empire KGRA	51-16	243,360	5,110,560	246°F	51psi	
Empire KGRA	53-21	2,160,000	43,200,000	210°F	9 psi	
nis report to be filed by the end  I hereby certify that the inform		-		best of my kno	wledge.	
		Signatur	re_ <i>Dou</i> u	i Milli	J. J	
		Position	<u>Environmental</u>	Coordinator		
		Date	2/9/05	*****		
						(REV 9/13/96 I