DOCKETED	
Docket Number:	01-EP-07C
Project Title:	Hanford Energy Park Peaker Project Compliance
TN #:	231026
Document Title:	Hanford Energy Park Peaker 2018 Report
Description:	N/A
Filer:	Joe Douglas
Organization:	California Energy Commission
Submitter Role:	Energy Commission
Submission Date:	12/10/2019 7:54:23 AM
Docketed Date:	12/10/2019

MRP San Joaquin Energy, LLC

April 25, 2019

Mr. Joseph Douglas, Compliance Project Manager
California Energy Commission
1516 9th Street
Sacramento, CA 95814-5512

RE: Hanford Energy Park Peaker (01-EP-7) 2018 Report

Dear Mr. Douglas:

In accordance with the Commission's Conditions of Certification for Hanford Energy Park Peaker (01-EP-7), San Joaquin Energy Inc. submits for your review and files the annual compliance report for 2018.

If you have any questions regarding the information provided in this report, please feel free to contact Mr. Neftali Nevarez at (925) 597-2905. E-mail: nefatli.nevarez@naes.ca
Thank you for your time and consideration regarding this matter.

Respectfully,

John Archibald
Plant Manager
MRP San Joaquin Energy, LLC

Enclosures:
Hanford Energy Park Peaker 2018 Annual Report of Compliance

HANFORD ENERGY PARK PEAKER (01-EP-7)
FACILITY INFORMATION AND DOCUMENT CERTIFICATION

Owner: MRP San Joaquin Energy LLC.
Address: 14950 W. Schulte Road, Tracy, CA 95377
Primary Contact: Neftali Nevarez, Compliance Manager
Phone: 925.597.2905

Facility Address: 10550 Idaho Avenue, Hanford, CA. 93230
Primary Contact: John Archibald, Plant Manager
Phone: 209.248.6838 (Office)

STATEMENT OF FACT

I certify under penalty of perjury that I have personally examined and am familiar with the information submitted in the Annual Report of Compliance; and based on my inquiry of those individuals immediately responsible for obtaining the information, I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

4-26-19

John Archibald
Plant Manager
MRP San Joaquin Energy LLC.

Date

MRP San Joaquin Energy, LLC

Hanford Energy Park Peaker
(01-EP-7)

2018
Annual Report of Compliance

California Energy Commission

Prepared by

MRP San Joaquin Energy, LLC.
Tracy, California

April 25, 2019

14950 W. SCHULTE RD; TRACY, CALIFORNIA 95377 – TEL. (209) 248-6841

Report of Operations

Introduction

In accordance with the California Energy Commission requirements, AltaGas San Joaquin Energy Inc., has prepared the 2018 Annual Report of Compliance that includes a summary of the Operations and Maintenance Activities for the Hanford Energy Park Peaker Plant located at 10550 Idaho Avenue, Hanford, California.

Project Description

Hanford Energy Park Peaker is a nominal 95 MW peaking power plant that consist of two General Electric LM-6000 combustion gas turbine generator sets and associated equipment necessary for simple-cycle operation. The peaking plant is located at 10550 Idaho Avenue in Hanford, California. Unit A declared commercial operation on September 2, 2001 and Unit B similarly declared commercial on September 6, 2001. The units currently operate under a ten year power purchase agreement that commenced on January 1, 2013 and terminates on December 31, 2022 with Pacific Gas and Electric Company as our counterparty.

Hanford Energy Park Peaker was licensed by the California Energy Commission (CEC) on May 10, 2001 under Adoption Order No. 01-0510-01, Docket No. 01-EP-7. The Peaker was authorized for construction by the San Joaquin Valley Air Pollution Control District under an Authority to Construct No. C-603-1 and C-603-2. The Title V permits were renewed by the SJVAPCD on April 7, 2017. The "federally enforceable" Permit(s) To Operate C-4140-1-5 (Unit A) and C-4140-2-5 (Unit B) are valid until April 30, 2021.

Project Operating History

Hanford Energy Park Peaker plant was placed into service in September 2001; the following summarizes the operating history of both units since the commercial operation dates.

	Unit A		Unit B	
Year	Fired Hours	MWh(net)	Fired Hours	MWh(net)
2001	341	12,032	288	9,862
2002	435	20,297	420	19,130
2003	244	9,346	226	8,691
2004	118	5,052	106	4,603
2005	428	16,013	424	15,862
2006	274	10,197	270	10,887
2007	546	17,964	542	17,750
2008	540	22,789	547	22,749
2009	881	30,675	863	30,020
2010	291	9,706	287	9,591
2011	22	549	22	524
2012	1202	39,534	1129	37,150
2013	1979	63,500	1915	60,725
2014	2295	77,392	2410	84834

	Unit A		Unit B	
Year	Fired Hours	MWh(net)	Fired Hours	MWh(net)
2015	1396	44,140	1660	54,210
2016	449	12,563	459	13,061
2017	380	9,389	419	10,188
2018	363	8,263	311	7,342

Power Plant Owner Report

In accordance with CCR Title 20, Division 2, Chapter 3, Section 1304(a) the 2017 Power Plant Owner Report was submitted to the CEC on February 14, 2019

Complaints, Notices and Citations

AltaGas San Joaquin Energy did not receive any complaints, notices or citations in conjunction with the operations of the Hanford Energy Park Peaker in 2018.

Facility Closure Plan

Three months prior to the scheduled closure of the HEPP facility AltaGas San Joaquin Energy will submit a closure plan to the CEC for review and approval. HEPP is not scheduled for closure, therefore the closure plan is not required at this time.

Environmental Concerns

- **AQ-2 Violation Notification – See Appendix A**

  No Notices of Violation were received by this facility during 2018.
- **Bio-11 Biological Resources Mitigation Implementation and Monitoring Plan – See Appendix B**

  Ms. Molly Sandomire, Alternate designated Biologist, conducted a visual biological resources assessment of HEPP on November 15, 2018. Copies of the status reports are included in Appendix B.

- **Hydrology & Water 3 – Storm Water – See Appendix C**
  No storm water is discharged "offsite" from the HEPP facility. All storm water was contained in the storm water retention basin. Samples were collected during two storm events in 2018. The analytical reports are included in Appendix C.
- **Hydrology & Water 5 – Ground Water Usage – See Appendix D**
  The Ground Water Usage Annual Summary report from 2013 through 2018 is provided in Appendix D.

- H**ydrology & Water 6 – Industrial Wastewater – See Appendix E**
  It is important to note that industrial wastewater transferred from HEPP to the adjacent Hanford LP facility is used to supplement Hanford LP's make-up water to the cooling tower until August 2011. In August 2011, Hanford LP was shut down and future

operations were canceled. Beginning in September 2011, HEPP had periodic wastewater discharge. The discharge is the result of plant process drains and water purification waste. Wastewater was discharged via the City of Hanford Industrial Wastewater Discharge permit to the sanitation department's facility.

A new Industrial Wastewater Discharge permit was issued by the City of Hanford on September 2, 2016. The new permit number is 2016-03-065 The expiration date is September 1, 2021. No discharge from HEPP exceeded the permit limits in 2018.

- **Noise 5 – Project Noise Complaints – See Appendix F**

  There were no complaints of excessive noise received by AltaGas San Joaquin Energy for the HEPP facility in 2018.

- **Compliance Matrix. See Appendix G**
  A compliance matrix is included with this report.

Appendix A

AQ-2 Violation Notification Reports

No Notices of Violation were received by the AltaGas Hanford Energy Park Peaker during 2018

Appendix B

Bio-11 Biological Resources Mitigation Implementation and Monitoring Plan Report

505 Sansome Street
Suite 1600
San Francisco, CA 94111

415.434.2600 PHONE
415.434.2321 FAX

www.trcsolutions.com

November 27, 2018 *Submitted electronically*

Neftali Nevarez
MRP San Joaquin Energy LLC.
14950 W. Schulte Road
Tracy, CA 95377

Subject: Hanford Energy Park Peaker Plant Condition Bio-2, 2018 Annual Biological Report, PO # HAN-18-111031

Dear Neftali:

On November 15, 2018, I visited the Hanford Energy Park Peaker Plant to conduct the annual biological resources inspection as required by Condition Number Bio-2 of the Final Commission Decision for 01-EP-7. In addition to my visual inspection of the plant, I interviewed you regarding on-site activities over the last year. Below is a summary of my findings.

Activities/Tasks Accomplished

Typical operational and maintenance activities took place within the plant. No construction or demolition has occurred since the last inspection. Perimeter landscaping has been maintained although drought conditions continue to require a reduction in watering and some mortality. Dead landscaping was removed from the west side of the Stormwater pond. Plans are being discussed to replace the landscaping.

Pre-Activity Surveys

Due to the lack of construction activities performed by MRP San Joaquin Energy LLC (SJE), no biological surveys were warranted.

Mitigation/Minimization Measures Implemented

Construction-related minimization measures for the protection of special-status species were not required. As part of plant operations, all workers employed general housekeeping measures and were observant of any wildlife within the plant. The site appeared clean with no trash or evidence of spills.

Worker Training

SJE provided a refresher course of the Worker Environmental Awareness Training to the work force in September 2018. In addition, all visitors to the plant view a safety video which includes a brief discussion of sensitive wildlife species and instructs visitors to alert plant staff of any

sensitive wildlife sightings.

Sensitive Wildlife Observed within the Plant

No sensitive wildlife species were observed. In September, workers observed the remains of a medium-sized mammal under a tree on the north side of the SPCC pond, which they allowed to decompose in place. I inspected the remains and determined that they were those of a grey fox (*Urocyon cinereoargenteus*). Wildlife observations were otherwise limited to common bird species, such as house sparrow (*Passer domesticus*) and rock dove (*Columba livia*), and California ground squirrels (*Otospermophilus beecheyi*). The ground squirrels have established a warren in the southeast corner of the plant, and there are additional burrows along the east fence line. I inspected the burrow entrances but did not observe signs of burrowing owl occupancy (whitewash, pellets). Fissures are located in eroded areas along the western edge of the Stormwater pond. Although the fissures showed signs of burrowing activity, their openings were covered with dusty cobwebs, indicating that they were not currently occupied by wildlife.

Agency Visits

There were no visits from the agencies.

Incidents and Reported Takes/Harassments of Sensitive Wildlife

There were no incidents or takes associated with sensitive wildlife species.

Please feel free to contact me if you have any questions or require additional information.

Sincerely,

Molly Sandomire

CEC-Designated Biologist

Appendix C

Hydrology and Water 3 – Storm Water

January 19, 2018

AltaGas San Joaquin Energy Inc.
10596 Idaho Avenue
Hanford, CA 93230

Lab ID : VI 1840071
Customer : 4-14718

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Hanford PeakerPlant Stormwater	01/08/2018	01/08/2018	VI 1840071-001	STM

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding except those as listed in the table below.

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
VI 1840071-001	pH	15	2851.2 Minutes

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	01/10/2018:200459 All analysis quality controls are within established criteria
3010	01/10/2018:200338 All preparation quality controls are within established criteria

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CA ELAP Certification No. 2810

January 19, 2018 Lab ID : VI 1840071
AltaGas San Joaquin Energy Inc. Customer : 4-14718

Inorganic - Wet Chemistry QC

1664A	01/18/2018:200667 All preparation quality controls are within established criteria
2510B	01/10/2018:200410 All analysis quality controls are within established criteria
	01/10/2018:200343 All preparation quality controls are within established criteria
2540D	01/12/2018:200449 All preparation quality controls are within established criteria
4500-H B	01/10/2018:200355 All preparation quality controls are within established criteria
4500HB	01/10/2018:200435 All analysis quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2018-01-22

January 19, 2018

Lab ID : VI 1840071-001
Customer ID : 4-14718

AltaGas San Joaquin Energy Inc.
10596 Idaho Avenue
Hanford, CA 93230

Sampled On : January 8, 2018-13:00
Sampled By : Ron Mann
Received On : January 8, 2018-13:45
Matrix : Stormwater

Description : Hanford PeakerPlant Stormwater
Project : Hanford Peaker Plant Storm -1

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Metals, Total												
Iron	0.269	0.05	0.00097	mg/L	1		3010	200338	01/10/18 03:00	200.7	200459-IT203	01/10/18-14:25AC
Wet Chemistry												
Specific Conductance	81.2	1	0.16	umhos/cm	1		2510B	200343	01/10/18 08:46	2510B	200410-EC205	01/10/18-11:47JMG
Oil and Grease	4.23	3	1.5	mg/L	1.0989		1664A	200667	01/18/18 11:06	1664A	200827-WT215	01/18/18-16:17AMM
pH	7.35	--	0.0	units	1	T	4500-H B	200355	01/10/18 12:31	4500HB	200435-PH203	01/10/18-12:47JMG
Solids, Total Suspended (TSS)	12.0	2.9	0.49	mg/L	2.8571		2540D	200449	01/12/18 12:30	2540D	200593-WT215	01/15/18-11:30jba

DQF Flags Definition:
T Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 19, 2018 Lab ID : VI 1840071
AltaGas San Joaquin Energy Inc. Customer : 4-14718

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Iron	200.7	01/10/18:200459AC	CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.0035	0.03	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.0030	0.03	
	3010	01/10/18:200338amb	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	110 %	85-115	
			MS	mg/L	4.000	120 %	75-125	
		(STK1830354-002)	MSD	mg/L	4.000	116 %	75-125	
			MSRPD	mg/L	4.000	2.7%	≤20.0	
			PDS	mg/L	4.000	116 %	75-125	
Wet Chem								
Oil and Grease	1664A	01/18/18:200667AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	99.6 %	78-114	
			BS	mg/L	44.89	105 %	78-114	
			BSD	mg/L	44.89	101 %	78-114	
			BSRPD	mg/L	44.89	4.4%	≤18	
Conductivity	2510B	01/10/18:200410JMG	ICB	umhos/cm		0.30	1	
			CCV	umhos/cm	998.0	104 %	95-105	
			CCV	umhos/cm	998.0	104 %	95-105	
E. C.	2510B	01/10/18:200343jmg	Blank	umhos/cm		ND	<1	
		(SP 1800303-001)	Dup	umhos/cm		0.0%	5	
Solids, Suspended	2540D	01/12/18:200449jba	Blank	mg/L		ND	<1	
			LCS	mg/L	50.14	84.8 %	61-112	
			LCS	mg/L	50.14	88.8 %	61-112	
		(CC 1880118-001)	Dup	mg/L		8.1%	20	
		(SP 1800260-003)	Dup	mg/L		15.6%	20	
pH	4500-H B	(STK1830295-001)	Dup	units		0.1%	4.80	
	4500HB	01/10/18:200435JMG	CCV	units	8.000	99.8 %	95-105	
			CCV	units	4.000	102 %	95-105	

Definition

PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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Laboratory Copy (1 of 3)

40623:09/04/2017

Client: **AltaGas San Joaquin Energy Inc.**
Address: 10596 Idaho Avenue
Hanford, CA 93230

Phone: Fax:
Contact Person: Rick Vogler
Project Name: **Hanford Peaker Plant Storm -1**
Purchase Order Number:
Quote Number:

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: VI 1840071 4-14718

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Metals, Total-Fe 250ml(P)-HNO3	Wet Chemistry-Conductivity,Oil&Grease-1664,pH,TSS 16oz(P), 32oz(AGJ)-H2SO4 , 32oz(P)	~~Sampling Pickup~~
1	Hanford PeakerPlant Stormwater	1-8-18	1300	G	STM				1	1,1,1	X

Remarks: 17°C

Relinquished: Date: 1-8-18 Time: 1345
Received By: Date: 1-8-18 Time: 1345

Relinquished: GSO Date: 1-8-18 Time: 1730
Received By: GSO Date: 1-8-18 Time: 1730

Relinquished: GSO Date: 1/9/18 Time: 1015
Received By: Date: 1/9/18 Time: 1015

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Fax: (559) 734-8435

Subject: Re: Alta Gas
From: Josh Huston <joshh@fglinc.com>
Date: 01/09/2018 15:07
To: Inez Covarrubias <inezc@fglinc.com>

Ron Mann

----- Original Message -----
From: "Inez Covarrubias" <inezc@fglinc.com>
To: "Josh Huston" <joshh@fglinc.com>
Sent: Tuesday, January 9, 2018 11:59:28 AM
Subject: Re: Alta Gas

can make out sampler name on bottles?

On 01/08/2018 15:16, Josh Huston wrote:

> AltaGas brought the samples in to the lab, $0 pickup fee.
>
> ----- Original Message -----
> From: "Inez Covarrubias" <inezc@fglinc.com>
> To: "Josh Huston" <joshh@fglinc.com>, "Belen Castaneda" <belenc@fglinc.com>,
> "Jessica Ramierz" <jessicar@fglinc.com>
> Sent: Monday, January 8, 2018 3:11:33 PM
> Subject: Alta Gas
>
> Are we charging a pick up fee for all three COC or just one?
>
> 1840070
>
> 1840071
>
> 1840072

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # OTC
2. Were samples received in a chilled condition? Temps: IR ____ / ____ / ____ / ____
   Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	VOAs checked for Headspace?	Yes	No	(N/A)
6.	Were sample custody seals intact?	Yes	No	(N/A)
7.	If required, was sample split for pH analysis?	Yes	No	(N/A)
8.	Were all analyses within holding times at time of receipt?	Yes	(No)	
9.	Verify sample date, time and sampler name	(Yes)	No	

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.
Sample Receipt Review completed by (initials): ~~AH~~

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 4 / ____ / ____ / 5/3
   Acceptable is above freezing to 6 C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 539018816 + 539018817

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	Were sample custody seals intact?	Yes	No	(N/A)

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1.	Were all requested analyses understood and acceptable?	Yes	(No)		
2.	Did bottle labels correspond with the client's ID's?	(Yes)	No		
3.	Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	(Yes)	No	N/A	FGL
4.	VOAs checked for Headspace?	Yes	No	(N/A)	
5.	Have rush or project due dates been checked and accepted?	Yes	No	(N/A)	
6.	Were all analyses within holding times at time of receipt?	(Yes)	No		

Attach labels to the containers and include a copy of the COC for lab delivery.
Sample Receipt, Login and Verification completed by (initials): CLO

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: RICK JOSEPH Phone Number: 928-260-4102
   Initiated By: JOSH HILSTON Date: 1-9-18
   Problem: ~~PH~~ OUT OF HOLDTIME
   Resolution: RUN IN CAB.

2. Person Contacted: Jeremy Detrich Phone Number: (4-14718)
   Initiated By: [illegible]
   Problem: EC & pH sampled in H2SO4 bottle
   Resolution: Jeremy spoke w/ Dave Terg we can run EC and PH out of FSS bottle.

(Please use the back of this sheet for additional comments o contacts)

AltaGas San Joaquin Energy Inc.

VI 1840071

IV-01/08/2018-15:10:37

April 11, 2018

AltaGas San Joaquin Energy Inc.
10596 Idaho Avenue
Hanford, CA 93230

Lab ID : VI 1841305
Customer : 4-14718

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Hanford PeakerPlant Stormwater	03/21/2018	03/21/2018	VI 1841305-001	STM

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding except those as listed in the table below.

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
VI 1841305-001	pH	15	3280.8 Minutes

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	03/23/2018:204132 All analysis quality controls are within established criteria.
3010	03/23/2018:203287 All preparation quality controls are within established criteria.

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April 11, 2018 Lab ID : VI 1841305
AltaGas San Joaquin Energy Inc. Customer : 4-14718

Inorganic - Wet Chemistry QC

1664A	04/09/2018:203915 All preparation quality controls are within established criteria, except: The following note applies to Oil and Grease: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
2510B	03/23/2018:204073 All analysis quality controls are within established criteria.
	03/23/2018:203297 All preparation quality controls are within established criteria.
2540D	03/28/2018:203467 All preparation quality controls are within established criteria.
4500-H B	03/23/2018:203310 All preparation quality controls are within established criteria.
4500HB	03/23/2018:204085 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2018-04-11

April 11, 2018

Lab ID : VI 1841305-001
Customer ID : 4-14718

AltaGas San Joaquin Energy Inc.
10596 Idaho Avenue
Hanford, CA 93230

Sampled On : March 21, 2018-05:00
Sampled By : Ron Mann
Received On : March 21, 2018-09:40
Matrix : Stormwater

Description : Hanford PeakerPlant Stormwater
Project : Hanford Peaker Plant Storm -2

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Metals, Total												
Iron	0.258	0.05	0.00097	mg/L	1		3010	203287	03/23/18 03:00	200.7	204132-IT203	03/23/18-14:40AC
Wet Chemistry												
Specific Conductance	73.2	1	0.16	umhos/cm	1		2510B	203297	03/23/18 08:57	2510B	204073-EC205	03/23/18-10:42JMG
Oil and Grease	3.53	3	1.5	mg/L	1.087		1664A	203915	04/09/18 10:27	1664A	204918-WT215	04/09/18-14:56AMM
pH	7.46	--	0.0	units	1	T	4500-H B	203310	03/23/18 11:41	4500HB	204085-PH203	03/23/18-11:45JMG
Solids, Total Suspended (TSS)	5.97	1.1	0.49	mg/L	1.0753		2540D	203467	03/28/18 11:00	2540D	204401-WT215	03/29/18-20:11jba

DQF Flags Definition:
T Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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April 11, 2018 Lab ID : VI 1841305
AltaGas San Joaquin Energy Inc. Customer : 4-14718

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Iron	200.7	03/23/18:204132AC	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.0015	0.03	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.0017	0.03	
	3010	03/23/18:203287amb	Blank	mg/L		ND	<0.05	
			LCS	mg/L	4.000	110 %	85-115	
			MS	mg/L	4.000	111 %	75-125	
		(VI 1841371-001)	MSD	mg/L	4.000	110 %	75-125	
			MSRPD	mg/L	0.8000	0.9%	≤20.0	
			PDS	mg/L	4.000	107 %	75-125	
Wet Chem								
Oil and Grease	1664A	04/09/18:203915AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	86.9 %	78-114	
			BS	mg/L	44.89	88.3 %	78-114	
			BSD	mg/L	44.89	111 %	78-114	
			BSRPD	mg/L	44.89	22.0%	≤18	410
Conductivity	2510B	03/23/18:204073JMG	ICB	umhos/cm		0.12	1	
			CCV	umhos/cm	998.0	102 %	95-105	
			CCV	umhos/cm	998.0	103 %	95-105	
E. C.	2510B	03/23/18:203297jmg	Blank	umhos/cm		ND	<1	
		(SP 1803879-029)	Dup	umhos/cm		0.0%	5	
Solids, Suspended	2540D	03/28/18:203467jba	Blank	mg/L		ND	<1	
			LCS	mg/L	50.00	75.0 %	61-112	
			LCS	mg/L	50.00	79.0 %	61-112	
		(SP 1803834-002)	Dup	mg/L		0.7%	20	
		(SP 1803834-003)	Dup	mg/L		1.4%	20	
pH	4500-H B	(CC 1880677-001)	Dup	units		0.8%	4.80	
	4500HB	03/23/18:204085JMG	CCV	units	8.000	99.8 %	95-105	
			CCV	units	8.000	101 %	95-105	

Definition

PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

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Annual

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Laboratory Copy (1 of 3)

40624:09/04/2017

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **AltaGas San Joaquin Energy Inc.**
Address: 10596 Idaho Avenue
Hanford, CA 93230

Phone: Fax:
Contact Person: Rick Vogler
Project Name: **Hanford Peaker Plant Storm -2**
Purchase Order Number:
Quote Number:

Sampler(s) Ron Mayu RM

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **VI** 1841305 **4-14718**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Metals, Total-Fe 250ml(P)-HNO3	Wet Chemistry-Conductivity,Oil&Grease-1664,pH,TSS 16oz(P), 32oz(AGJ)-H2SO4 , 32oz(P)	Sampling-Pickup								
1	Hanford PeakerPlant Stormwater	3-21-18	0500	G	STM				1	1,1,1	X							

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	3-21-18	0940		3-21-18	1730	GSO	3/20/18	1109
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
	3-21-18	0940	GSO	3-21-18	1730		3/20/18	1109

8°C

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Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC CH (VI)

1. Number of ice chests/packages received: 1 Shipping tracking # OTC
2. Were samples received in a chilled condition? Temps: 8°C / ____ / ____ / ____ / ____
   Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	VOAs checked for Headspace?	Yes	No	(N/A)
6.	Were sample custody seals intact?	Yes	No	(N/A)
7.	If required, was sample split for pH analysis?	Yes	No	(N/A)
8.	Were all analyses within holding times at time of receipt?	Yes	(No)	
9.	Verify sample date, time and sampler name	(Yes)	No	

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.
Sample Receipt Review completed by (initials): JNR

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 6 / 5 / ____ / ____ / ____
   Acceptable is above freezing to 6 C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 539410453 7 + 539410438 6

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	Were sample custody seals intact?	Yes	No	(N/A)

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1.	Were all requested analyses understood and acceptable?	(Yes)	No		
2.	Did bottle labels correspond with the client's ID's?	(Yes)	No		
3.	Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	(Yes)	No	N/A	FGL
4.	VOAs checked for Headspace?	Yes	No	(N/A)	
5.	Have rush or project due dates been checked and accepted?	Yes	No	(N/A)	
6.	Were all analyses within holding times at time of receipt?	(Yes)	No		

Attach labels to the containers and include a copy of the COC for lab delivery.
Sample Receipt, Login and Verification completed by (initials): CLP

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Ron Mann Phone Number: In person
   Initiated By: Jessica Ramirez Date: 3-21-18
   Problem: pH out of Hold
   Resolution: Run out of Hold

2. Person Contacted: _____
   Initiated By: _____
   Problem:
   Resolution:

(Please use the back of this sheet for additional comment contacts)

(4-14718)
AltaGas San Joaquin Energy Inc.
VI 1841305
IV-03/21/2018-13:26:16

HANFORD STORM WATER OBSERVATION SHEET
2018

January	X	**April**		**July**		**October**	
February		**May**		**August**		**November**	
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is dry. Weeds are growing in basin
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 1/5/18**	**6:30**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**		**October**	
February	X	**May**		**August**		**November**	
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is dry. Some weeds in the pond
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 2/6/18**	**8:30**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**		**October**	
February		**May**		**August**		**November**	
March	X	**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond has no standing water
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 3/10/18**	**9:00**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**	X	**July**		**October**	
February		**May**		**August**		**November**	
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond has no standing water
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 4/4/18**	**8:00**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		April		July		October	
February		May	X	August		November	
March		June		September		December	

Location	Observation	YES	NO	Comments
POND	Floating or Suspended Materials		X	Pond has no standing water
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	DATE: 5/5/18	6:00

HANFORD STORM WATER OBSERVATION SHEET
2018

January		April		July		October	
February		May		August		November	
March		June	X	September		December	

Location	Observation	YES	NO	Comments
POND	Floating or Suspended Materials		X	Pond is Dry
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	DATE: 6/1/18	14:15

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**	X	**October**	
February		**May**		**August**		**November**	
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is Dry
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 7/1/18**	**8:00**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		April		July		October	
February		May		August	X	November	
March		June		September		December	

Location	Observation	YES	NO	Comments
POND	Floating or Suspended Materials		X	Pond is Dry
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	DATE: 8/1/18	9:00

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**		**October**	
February		**May**		**August**		**November**	
March		**June**		**September**	X	**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is Dry Some weeds at pond inlet
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 9/3/18**	**11:00**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**		**October**	X
February		**May**		**August**		**November**	
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is Dry Some weeds at pond inlet
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Lopez	**DATE: 10/15/18**	**8:40**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		**April**		**July**		**October**	
February		**May**		**August**		**November**	X
March		**June**		**September**		**December**	

Location	Observation	YES	NO	Comments
POND	**Floating or Suspended Materials**		X	Pond is Dry Some weeds at pond inlet
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	**DATE: 11/17/18**	**11:00**

HANFORD STORM WATER OBSERVATION SHEET
2018

January		April		July		October	
February		May		August		November	
March		June		September		December	X

Location	Observation	YES	NO	Comments
POND	Floating or Suspended Materials		X	Pond has 2" of water standing
	Oil or Grease		X	
	Discoloration		X	
	Turbidity		X	
	Odor		X	

COMPLETED BY: Ron Mann	DATE: 12/01/18	15:00

Appendix D

Hydrology and Water 5 – Ground Water Use

Hydrology & Water-5

2018 Ground Water Usage Annual Summary Report

Hanford Energy Park Peaker

Month	2018 Gallons	2017 Gallons	WELL WATER 2016 Gallons	2015 Gallons	2014 Gallons	2013 Gallons
JAN	35906	0	95744	0	0	0
FEB	0	31418	272272	0	0	0
MAR	70317	71065	92752	0	0	0
APR	236384	69569	330616	0	0	0
MAY	227408	140634	277508	0	0	0
JUN	252094	546078	809336	4741901	0	0
JUL	345600	184769	393448	1929974	0	0
AUG	167564	476509	595408	3926525	0	0
SEP	319418	489974	419628	1443740	0	0
OCT	99491	570016	181764	354577	0	0
NOV	263314	212447	296956	274535	0	0
DEC	79294	26930	35156	285756	0	0
Annual Gallons:	2,096,790	2,819,409	3,800,588	12,957,008	0	0
Acre-Feet:	6.43	8.65	11.66	39.76	0.00	0.00
Monthly Avg:	174,733	234,951	316,716	1,079,751	0	0
Monthly Min:	0	0	35,156	0	0	0
Monthly Max:	345,600	570,016	809,336	4,741,901	0	0
Annual Min:	0					
Annual Max:	12,957,008					
Annual Avg:	4,371,077					

Note:
1 gallon = 3.06888E-06 acre-feet

Appendix E

Hydrology and Water 6 – Industrial Wastewater Monitoring and Discharge

City of Hanford
Significant Industrial User Permit #2016-03-65

HEPP WASTE DISCHARGE TO CITY SEWER

	2018
TOTAL	**1,283,686**
Jan	**24,542**
Feb	**13,591**
Mar	**40,733**
Apr	**123,490**
May	**139,674**
Jun	**148,955**
Jul	**198,442**
Aug	**131,726**
Sep	**229,890**
Oct	**0**
Nov	**190,349**
Dec	**42,294**

CITY OF HANFORD
Utilities and Engineering Department
900 South 10th Avenue • HANFORD, CA 93230-5234 • (559) 585-2550

Permit No. 2019-01-069
Replaces Permit No. 2016-02-064

SIGNIFICANT INDUSTRIAL USER PERMIT

In accordance with the provisions of Section 13.08 of the Hanford Municipal Code

Location Address: Hanford Energy Park Peaker, 10596 Idaho Avenue, Hanford, CA 93230
Mailing Address: Hanford Energy Park Peaker, 14950 West Schulte Road, Tracey, CA 95377

The above industry has been identified as an industry regulated under categorical pretreatment standards specified in 40 CFR 423 Subpart B and determined to be a Significant Industrial User (SIU) in accordance with City of Hanford Municipal Code 13.08.090A and as defined in 40 CFR 403.3(v)(i-ii).

The industry is hereby authorized to discharge industrial wastewater from the above identified facility into the City of Hanford's sewer system in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable regulations, standards, or requirements under local, state and federal laws, including any such regulations, standards, or laws that may become effective during the term of this permit.

Non-compliance with any term or condition of this permit, and the standard conditions for this permit, shall constitute a violation of the Hanford Municipal Code. Violations of any provision of this permit may result in this permit being revoked and the permitted address being disconnected from the sanitary sewer and/or the permittee being fined.

EFFECTIVE DATE: February 14, 2019 EXPIRATION DATE: February 13, 2024

The permit becomes void upon change of owner/operator, operations, or location of an existing facility. Change of ownership shall obligate the new owner to seek prior written approval of the City for continued discharge to the sewer system.

If the SIU wishes to continue an activity regulated by the permit after the expiration date of the permit, the SIU must submit an application for a new permit at least ninety (90) days before the expiration date of the permit.

PART 1 – EFFLUENT LIMITATIONS

A. The permittee is authorized to discharge process wastewater to the City of Hanford sewer system through a single outfall line from the facility in accordance with provisions presented herein.

B. During the term of this permit, the discharge from the outfall line shall comply with the effluent limitations and boundaries set forth below.

1. Effluent limitations listed in Sections 13.08.060 and 13.08.062 of the Hanford Municipal Code with the following exception as stipulated in Section 13.08.060 A.3. These limitations are subject to enforcement actions as outlined in the City of Hanford's Enforcement Response Plan and sewer ordinance.

PARAMETER	PERMIT LIMIT	INSTANEOUS LIMIT
Electrical Conductivity (EC)	2,150 uS/cm	
pH		>6.0 and <11.00
Chromium	0.2 mg/L	
Zinc	1.0 mg/L	
PCB	Non-Detectable	

2. Effluent discharge boundaries that are specific for the permittee and have been authorized by the Utilities and Engineering Director. These boundaries are subject to but not limited to monetary billing penalties.

PARAMETER	DAILY AVER.	MASS LOAD DAILY AVER.	DAILY MAX	MASS LOAD DAILY MAX
Flow	142,000 gpd	237 lbs/d	177,500 gpd	444 lbs/d
BOD	200 mg/L		300 mg/L	
TSS	200 mg/L	237 lbs/d	300 mg/L	444 lbs/d

Concentrations in mg/L for BOD and TSS are listed for illustration purposes only. Violations of the limits and boundaries established in this section will be determined based on flow (gpd) and/or mass loading (lbs/d) as listed.

C. In addition to the effluent limitations and boundaries specified in this permit, the discharger shall not discharge any prohibited discharges specified in the City of Hanford's Municipal Code, Section 13.08.050.

D. All discharges shall comply with all other applicable laws, regulations, standards, and requirements contained in the Hanford Municipal Code, Attachment B the Standard Conditions for this permit, and any local, state, and federal laws, regulations, and requirements that may become effective during the term of this permit.

PART 2 – MONITORING REQUIREMENTS

A. The permittee shall provide, install and maintain a monitoring/sampling station as approved by the City of Hanford to ensure continuous flow proportioned sampling, continuous flow and pH monitoring with documentation by chart recorders for all discharges addressed in this permit.

B. The permittee shall monitor the outfall for the following parameters, at the indicated frequencies indicated on Table 1, at the permittee's cost and expense.

C. The permittee shall ensure that the collection, handling, preservation, and analyses of samples obtained for the Table 1 analyses shall be performed in accordance with 40 CFR 136, 40 CFR 403.12 and any amendments thereto.

D. Samples and measurements taken as required herein shall be representative of the volume and nature of the discharge during regular daily operational conditions. All samples shall be taken at the sampling port in the discharge line to the City sewer system before the effluent joins or is diluted by any other waste stream or substance, unless otherwise specified. The location of the monitoring/sampling port is shown on the diagram in Attachment A, Diagram of Sampling Location.

E. The permittee shall ensure that all equipment used for sampling and analysis shall be calibrated at a minimum annually and must be inspected and maintained in accordance with manufacturers' recommendations to ensure their accuracy. Calibration reports shall be submitted to the City within 15 days of the date of calibration.

F. Monitoring points shall not be changed without notification to and the approval of the City and must be accessible to City staff for sample collection on a daily basis.

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TABLE 1 SAMPLING REQUIREMENTS – EFFECTIVE FROM ISSUANCE DATE OF PERMIT

SAMPLE PARAMETER (mg/L)	FREQUENCY	SAMPLE TYPE (1)
Flow (gpd)	Continuous (3)	Meter (1a)
Arsenic	(2)	24 hr Composite (1b)
Cadmium	(2)	24 hr Composite (1b)
Chromium(total)	(4)	24 hr Composite (1b)
Copper	(2)	24 hr Composite (1b)
Lead	(2)	24 hr Composite (1b)
Mercury	(2)	24 hr Composite (1b)
Molybdenum	(2)	24 hr Composite (1b)
Nickel	(2)	24 hr Composite (1b)
pH	Continuous (3)	In-Line Meter (1d)
Selenium	(2)	24 hr Composite (1b)
Silver	(2)	24 hr Composite (1b)
Sulfide	(2)	Grab (1c)
Temp (degrees Celsius)	Continuous (3)	In-Line Meter (1d)
Electrical Conductivity (EC) uS/cm	(2)	24 hr Composite (1b)
Total Petroleum Hydrocarbons	(2)	Grab (1c)
Zinc	(4)	24 hr Composite (1b)
PCB	(4)	24 hr Composite (1b)
Total Metals (Title 22 Listing)	(2)	24 hr Composite (1b)
Total Toxic Organic	(2)	Grab (1c)

(1) Sample type
   a. Meter: Flow shall be recorded from the permittee's flow meter and chart recorder.
   b. 24-hour composite: Sample shall be a flow proportional composite sample of the discharge collected over 24 hours by the permittee's automatic composite sampler.
   c. Grab samples: Four (4) grab samples shall be taken for each shift over the course of a process day.
   d. In-Line Meter: pH shall be recorded with the permittee's in-line pH meter and chart recorder.

(2) Semi-annual sampling and analyses with one of the sampling dates being chosen by the City and the sample split with the City for analysis, if the City so chooses.

(3) Readings are continuously taken and recorded with a chart recorder and submitted monthly.

(4) Samples must be collected and analyzed a minimum of once each month. Discharger shall submit a written report summarizing all results of analyses on these constituents to the City on a monthly basis.

PART 3 – REPORTING REQUIREMENTS

A. The permittee shall prepare and submit monitoring reports at the indicated frequency at the permittee's sole cost and expense.

1. Monitoring results for constituents listed in Table 1 of this permit shall be reported in an Industrial User Monitoring Report semi-annually with the exception of daily flow and pH. Flow and pH chart recordings are due by the fifth of the month following the month of monitoring. The first semi-annual report is due on or before July 1 of each year and the second semi-annual report shall be due on a date chosen by the City. Each semi-annual report shall include all the information required in 40 CFR 403.12(b) and listed below.

    a. Identifying information: name and address of the facility including the name and address of the operator and owners.
    b. A list of environmental control permits held by or for the facility.
    c. A brief description of operations including the nature, average rate of production, and Standard Industrial Classification of the operation(s) carried out at the facility. This description should include a schematic process diagram which indicates points of Discharge to the POTW from the regulated processes. The report must also include any changes to the operations which may affect the discharge of the permitted facility that were made from the time of the last report.
    d. Flow measurement showing the measured average daily and maximum daily flow in gallons per day for each regulated stream.
    e. Results for all analyses of the waste stream.
    f. All reports must contain the certification statement, found in 13.08.091 B.2. of the Hanford Municipal Code, signed by an authorized representative.

2. If the permittee monitors any pollutants more frequently than required by this permit, using test procedures prescribed in 40 CFR 136 or amendments thereto, the results of such monitoring shall be reported to the City in a monthly report and shall be included in any calculations of actual daily maximum or monthly average pollutant discharge. Such increased monitoring frequency shall also be indicated in the semi-annual report.

3. The following information shall be recorded for each measurement or sample taken pursuant to the requirements of this permit:

    a. Exact place, date and time of sampling.
    b. Preservation method, if any.
    c. Person(s) who collected the sample.
    d. Type of sample collected (grab, timed composite, flow proportional composite, etc.)
    e. Dates that the analysis were performed.
    f. Person(s) who performed the analyses.
    g. Analytical techniques or methods used.
    h. Results of analyses performed.
    i. Detection limits for all analyses performed.
    j. Summary of Quality Control/Quality Assurance methods used for analyses performed.

k. Chain of Custody (COC) and Condition Upon Receipt (CUR) report for all samples.
l. Signed certification statement.

B. Knowingly making any false statements on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate is a crime and may result in imposition of civil and/or criminal sanctions and/or penalties.

C. All reports required by this permit shall be submitted to the City at the following address:

City of Hanford 900 S. 10th Ave
Hanford, CA 93230-5234
Attn: Wastewater Superintendent

PART 4 – PENALTIES AND VIOLATIONS

A. The permit conditions shall be authorized at the levels listed in Part 1 of this permit.

B. Penalties associated with violation of flow, and/or BOD5 and/or TSS boundaries will be imposed on the permittee for the purpose of offsetting costs for construction of facilities needed to provide effective long term treatment of the increased discharge and to discourage violation of the permitted boundaries of discharge. Penalties paid by the discharger under terms of this permit will not be credited toward increasing the discharge limits contained in this permit or for future impact fees required for any modified or new discharge permit.

C. Penalty fees for effluent monthly average boundary violations will be imposed on the permittee as follows:

Flow:	**$0.10 per gallon**
BOD5:	**$31.25 per pound**
TSS:	**$31.25 per pound**

D. In addition to the penalty fees listed above, violations of any limits contained in this permit, City Ordinance, state and federal regulations will result in a NOV as well as any actions described in paragraph M of Attachment B the Standard Conditions of this permit.

E. Development Impact fees and penalties are nonrefundable. Reduction of flows or waste strengths will not result in any refunds to the permittee for previous payments made to the City of Hanford that results from flow, and/or BOD5 and/or TSS effluent boundary violations.

F. The permittee shall not deliver or cause to be delivered any form of wastewater to the City's Wastewater Treatment Plant except through the City's sewer collection system and only under conditions, limitations and requirements as provided in this permit.

G. Failure to pay monthly service charges set forth in 13.08.100 of the Hanford Municipal Code and/or any penalty amounts assessed, and/or fines imposed as provided in this permit shall constitute a violation of this permit and permittee shall be subject to all remedies and fines provided in this

permit and Chapter 13.08 of the Hanford Municipal Code, including disconnection from the City's sewer system.

H. Failure to comply with the discharge limits specified in 13.08.060 of the Hanford Municipal Code and the limits and effluent boundaries listed in Part 1B of this permit shall constitute a violation of this permit and permittee shall be subject to all remedies and fines provided in this permit and Chapter 13.08 of the Hanford Municipal Code, including but not limited to disconnection from the City's sewer system.

PART 5 – UPSET AND ACCIDENTAL OR SLUG DISCHARGE

A. For the purpose of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with the limits and boundaries of this permit because of factors beyond the reasonable control of the Industrial User. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, lack of preventative maintenance, or careless or improper operation.

B. For the purposes of this section, accidental or slug discharge means an exceptional incident in which there is unintentional discharge of a prohibited or non-routine discharge, episodic in nature, including but not limited to an accidental spill or non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the City's regulations, local limits or industrial user permit conditions. The permittee is required to notify the City immediately of any changes at its facility that creates a potential for a slug discharge. If the City decides that a slug control plan shall contain all elements contained in 40 CFR 403.8(f) (2) (VI) (A)-(D).

C. In the case of an accidental or slug discharge or upset, the permittee shall follow procedure outlined in Attachment A, the Standard Conditions, of this permit and in the 40 CFR 403.16.

D. Permittee responsibility in case of upset. The permittee shall control production or all discharges to the extent necessary to maintain compliance with boundaries and limits upon reduction, loss, or failure of its treatment facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost or fails.

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PART 6 – BYPASS

A. For the purpose of this section, bypass means the intentional diversion of waste streams from any portion of an industrial user's treatment facility.

B. In the case a bypass is deemed necessary the permittee shall follow procedure outlined in the Standard Conditions of this permit and in the 40 CFR 403.17(c).

C. Permittee responsibility in case of a bypass. The permittee shall control production or all discharges to the extent necessary to maintain compliance with boundaries and limits upon reduction, loss, or failure of its treatment facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost or fails.

By signing below the permittee agrees to abide by all of the terms of this permit outlined above.

Hanford Energy Park Peaker

(Authorized Representative Signature)

John Archibald

(Print Name)

Plant Manager

(Title)

Date 2.19.19

This permit has been approved and authorized by the Utilities and Engineering Director on 2/27/19.

Date

(Utilities and Engineering Director Signature)

Appendix F

Noise 5 – Project Noise Complaints Report

MRP San Joaquin Energy LLC.

Memo

To: Neftali Nevarez, Compliance Manager

From: Rick Vogler, Operations Supervisor

CC:

Date: March 25, 2019

Re: Hanford Energy Park Peaker – 01-EP-7 – Noise Complaint Resolution

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- In accordance with Noise-5 of the Conditions of Certification that requires that all noise complaints related to the operations of the Hanford Energy Park Peaker be reported and resolved, it shall be hereby reported that MRP San Joaquin Energy LLC has not received any complaints of noise during the 2018 reporting year.

Appendix G

Compliance Matrix

AltaGas Hanford Energy Park Peaker
CEC Compliance Tracking Report 2017

Hanford Energy park Peaker (01-EP-7) - ACR Tracking

	CoC	Description	Schedule	Submittal Date	Format	Recipent
Air	AQ-2	The project owner shall comply with the terms and conditions of the Authority to Construct and Permit to Operate issued by SJVAPCD. In the Event that the SJVAPCD finds the project to be out of compliance with the terms and conditions of the authority to construct, the project owner shall notify the CPM of the violation and the measures taken to return to compliance within 5 working days.	N/A	4/18/2018, 07/19/2018, 10/25/2018, 01/28/2019	Report	SJVAPCD & J. Douglas, CEC
Bio	Bio-11	Annual review biological inspection as required by the approved BRMIMP	ACR	4/25/2019	Report	J. Douglas, CEC - ACR
Hydrology and Water	Hydrology and Water - 3	Stormwater samples results and monitoring.	ACR	4/25/2019	Paper	Kings County Env. Health Services, L. Shaw, CEC
Hydrology and Water	Hydrology and Water - 5	The project owner will record on a monthly basis the amount of groundwater pumped by the project. This information will be supplied to the Energy Commission and the Kings County Water District.	ACR	4/25/2019	Report	J. Douglas, CEC - ACR
Hydrology and Water	Hydrology and Water - 6	The Project owner will obtain a final Industrial Discharge Permit prepared in accordance with the City of Hanford's pretreatment program for the project's wastewater discharge to the City's POTW. The project will not operate without a valid permit in place.	ACR	4/25/2019	Report	J. Douglas, CEC - ACR
Noise	Noise-5	Throughout the construction and operation of the project, the project owner shall document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Within 30 days of receiving a noise complaint, the project owner shall file a copy of the Noise Resolution Form with the CPM documenting resolution of the complaint.	ACR	4/25/2019	Report	J. Douglas, CEC - ACR