



**Pacific Gas and
Electric Company®**

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BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

April 27, 2017

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

Subject: Facility #B8143: Semiannual Monitoring Report (October 1, 2016 – March 31, 2017)

On October 30, 2013, the Bay Area Air Quality Management District (BAAQMD) issued Gateway Generating Station, LLC (GGS) an initial Major Facility Review Permit (Permit) for the operation of a power generating station located in Antioch, California (Gateway Generating Station [GGS]).¹ Per Permit Condition I.F, GGS is required to evaluate the monitoring requirements in the Permit and report to BAAQMD any instances of non-compliance identified during the evaluation. GGS is required to submit a Semiannual Monitoring Report (SAMR) to the BAAQMD by April 30th for the period of October 1st through March 31st.

Attachment 1 of this letter serves as the SAMR for the period of October 1, 2016 through March 31, 2017 (reporting period). The format of the SAMR is based on Tables VII-A and VII-B listed in Section VII – *Applicable Limits and Compliance Monitoring Requirements* of the Permit. As shown in Attachment 1 of this letter, GGS has added columns to Tables VII-A and VII-B to document the compliance status of each monitoring requirement during the reporting period.

On October 19, 2016, the fire pump diesel engine (source: S-47) operated for 5 minutes outside of either maintenance or emergency situation. A notification for this event was submitted to BAAQMD on October 31, 2016. A follow-up Probable Cause and Corrective Actions Report was also submitted to BAAQMD on November 23, 2016. The probable cause was determined and all indicated corrective actions were completed. The notification and follow-up letters are attached in this report.

GGS determined, through reasonable inquiry, that all required monitoring was performed during the reporting period and after review of the monitoring results, all sources were found to be in compliance with the monitoring requirements provided in Tables VII-A and VII-B. Copies of all monitoring records are available at GGS.

¹ Pacific Gas and Electric Company (PG&E) is the parent company to GGS, LLC.

Based upon the information and belief formed after reasonable inquiry, I, as the responsible official of GGS, certify that the information contained in this SAMR is true, accurate, and complete. If you have any questions or comments about the information presented in this letter, please do not hesitate to call me at (415) 973-4466.

Sincerely,

PACIFIC GAS AND ELECTRIC COMPANY



Alvin Thoma
Director, Power Generation

Attachment: a/s

cc. Anwar Ali
Compliance Project Manager
California Energy Commission

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BAY AREA AIR QUALITY
MANAGEMENT DISTRICT

ATTACHMENT 1

Semiannual Monitoring Report
Reporting Period: October 1, 2016 – March 31, 2017

Semiannual Monitoring Report

April 30, 2017

Site #: B8143
 Site Name: Gateway Generating Station, LLC
 Address: 3225 Wilbur Avenue, Antioch CA 94509
 Period: October 1, 2016 to March 31, 2017

Table VII – A
Applicable Limits and Compliance Monitoring Requirements

S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/Comments
NO _x	BAAQMD 9-3-303	N	125 ppm	BAAQMD 1-520.1	C	CEM	Y	C	
NO _x	BAAQMD 9-9-301.1.3	Y	9 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-501	C	CEM	Y	C	
NO _x	BAAQMD 9-9-301.2	N	0.15 lb/MW-hr or 5 ppmv	BAAQMD 9-9-501	C	CEM	Y	C	
NO _x	SIP 9-9-301.3	Y	9 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-501	C	CEM	Y	C	
NO _x	NSPS 40 CFR 60.44Da (a)(1)	Y	0.2 lb/MMBtu	40 CFR 60.48Da(f)	C	CEM and fuel monitoring	Y	C	
NO _x	NSPS 40 CFR 60.44Da (d)(1)	Y	1.6 lb/MW-hr (rolling 24-hr average)	40 CFR 60.48Da(k)	C	CEM and load monitoring	Y	C	
NO _x	NSPS, 40 CFR 60.332 (a)(1)	Y	75 ppmv, @ 15% O ₂ , dry 4-hr average	40 CFR 60.334(c)	C	CEM	Y	C	
NO _x		Y	None	40 CFR 75.10	C	CEM	Y	C	
NO _x	BAAQMD condition #18138, part 20a	Y	20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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NO _x	BAAQMD condition #18138, part 20a	Y	20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
NO _x	BAAQMD condition #18138, part 20a	Y	0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
NO _x	BAAQMD condition #18138, part 20a	Y	0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
NO _x	BAAQMD condition #18138, part 20b	Y	2.5 ppmv, @ 15% O ₂ , dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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NO _x	BAAQMD condition #18138, part 20b	Y	2.5 ppmv, @ 15% O ₂ , dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
NO _x	BAAQMD condition #18138, CD-1	Y	2.0 ppmv, @ 15% O ₂ , dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, and shutdown	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
NO _x	BAAQMD condition #18138, part 21	Y	189 lb/turbine during start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	

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NO _x	BAAQMD condition #18138, part 21	Y	20 lb/turbine during shutdown	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C (Condition #18138, part 21 includes an emission limit of 59 lbs NO _x /SD/turbine. Section VII of the Permit states: In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII. As such, GGS, LLC compared emissions during shutdown events to the 59 lbs NO _x /SD/turbine limit.)	
NO _x	BAAQMD condition #18138, part 21	Y	452 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
NO _x	BAAQMD condition #18138, part 23	Y	1,994 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 26	C	CEM	Y	C	

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NO _x	BAAQMD condition #18138, part 24	Y	174.3 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 26	C	CEM	Y	C	
NO _x	BAAQMD condition #18138, CD-3	Y	139.2 ton/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 26	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 20c	Y	29.22 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 20c	Y	29.22 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
CO	BAAQMD condition #18138, part 20c	Y	0.013 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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CO	BAAQMD condition #18138, part 20c	Y	0.013 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C	
CO	BAAQMD condition #18138, part 20d	Y	6 ppmv, @ 15% O ₂ , dry, for each turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, or steam turbine cold start-up,	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 20d	Y	6 ppmv, @ 15% O ₂ , dry, for each turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C	
CO	BAAQMD condition #18138, part 21	Y	291 lb/turbine during start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	

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CO	BAAQMD condition #18138, part 21	Y	73 lb/turbine during shutdown	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
CO	BAAQMD condition #18138, part 21	Y	990 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
CO	BAAQMD condition #18138, part 23b	Y	3,602 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 24b	Y	259.1 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO ₂		Y	None	40 CFR 75.10	C	fuel flow monitor and CO ₂ calculation	Y	C	
SO ₂	BAAQMD 9-1-301	Y	GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		N/A	N/A	

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SO ₂	BAAQMD 9-1-302	Y	300 ppm (dry)		N		N/A	N/A	
SO ₂	NSPS 40 CFR 60.43Da (b)(2)		0.2 lb/MM BTU, 24 hr average except during startup, or shutdown		N		N/A	N/A	
SO ₂	NSPS 40 CFR 60.333	Y	0.015% (vol) @15% O ₂ (dry) or total sulfur content of fuel less than or equal to 0.8% sulfur by weight (8,000 ppmw)	NSPS 40 CFR 60.334(h)(3) (ii) and BAAQMD Condition 18138, Part 44	P/M	Monthly fuel sulfur analysis	Y	C	
SO ₂		Y	None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3	P/M	Fuel measurements, calculations	Y	C	
SO ₂	BAAQMD condition #18138, part 44	Y	Fuel sulfur content of 1 gr/100 scf	BAAQMD condition #18138, part 44	P/M	Fuel testing	Y	C	

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SO ₂	BAAQMD condition #18138, CD-4	Y	Fuel sulfur content of 1 gr/100 scf	BAAQMD condition #18138, part 44	P/M	Fuel testing	Y	C	
SO ₂	BAAQMD condition #18138, part 20g	Y	6.18 lb/hr, for turbine and HRSG combined	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
SO ₂	BAAQMD condition #18138, part 20g	Y	0.0028 lb/MM BTU, for turbine and HRSG combined	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
SO ₂	BAAQMD condition #18138, part 23e	Y	297 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
SO ₂	BAAQMD condition #18138, part 24e	Y	48.5 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
SO ₂	BAAQMD condition #18138, part CD-3	Y	18.5 ton/yr for turbines and HRSGs combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	

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Opacity	BAAQMD 6-1-301	N	> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	N/A	
Opacity	SIP 6-301	Y	> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	N/A	
Opacity	NSPS 40 CFR 60.42Da(b)	Y	20% Opacity (6 min avg.) with one 6 min avg. at less than 27% Opacity	40 CFR 60.49Da(a) (3) ²	N		N/A	N/A	
FP	BAAQMD 6-1-310	N	0.15 grain/dscf		N		N/A	N/A	
FP	SIP 6-310	Y	0.15 grain/dscf		N		N/A	N/A	
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O ₂		N		N/A	N/A	
FP	SIP 6-310.3	Y	0.15 grain/dscf @ 6% O ₂		N		N/A	N/A	
PM	NSPS 40 CFR 60.42Da (a)(1)	Y	0.03 lb/MMBtu of PM		N		N/A	N/A	
PM	NSPS 40 CFR 60.42Da(b)	Y	< 20% opacity, 6 minute average, except one six minute period/hr up to 27% opacity		N		N/A	N/A	

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PM ₁₀	BAAQMD condition #18138, part 20h	Y	11.0 lb/hr, for each turbine and HRSG combined (duct burners not in operation) 13.0 lb/hr, for each turbine and HRSG combined (duct burners in operation)	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
PM ₁₀	BAAQMD condition #18138, part 20h	Y	0.00588 lb/MMBTU, for each turbine and HRSG combined (duct burners not in operation) 0.00584 lb/MMBTU, for each turbine and HRSG combined (duct burners not in operation)	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
PM ₁₀	BAAQMD condition #18138, part 23d	Y	624 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
PM ₁₀	BAAQMD condition #18138, part 24d	Y	105 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	

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POC	BAAQMD condition #18138, part 20f	Y	5.6 lb/hr (as CH4) for each turbine, and HRSG combined except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
POC	BAAQMD condition #18138, part 20f	Y	0.0025 lb/MM BTU (as CH4) for each turbine, and HRSG combined except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 16-20, 2017.)	
POC	BAAQMD condition #18138, part 21	Y	26 lb/turbine during start-up	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 21	Y	6 lb/turbine during shutdown	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 21	Y	109 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	

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POC	BAAQMD condition #18138, part 23c	Y	468 lb/day (as CH4) for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 24c	Y	46.6 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
NH ₃	BAAQMD condition #18138, Part 20e	N	5 ppmv, @ 15% O ₂ , dry, averaged over 3 hrs for each turbine and HRSG combined except during turbine startup or shutdown	BAAQMD condition #18138, part 26c, part 29, part AM-1	C	Ammonia injection rate monitor, calculations, and annual source test	Y	C	
Formaldehyde	BAAQMD condition #18138, part 25.1	N	4,102 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	C	

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Formaldehyde	BAAQMD condition #18138, part 25.1	N	4,102 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 16-20, 2017.)	
Benzene	BAAQMD condition #18138, part 25.1	N	506 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	Continuous	
Benzene	BAAQMD condition #18138, part 25.1	N	506 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 16-20, 2017.)	

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S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Specified PAH's	BAAQMD condition #18138, Part 25.1	N	38 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	C	
Specified PAH's	BAAQMD condition #18138, Part 25.1	N	38 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 16-20, 2017.)	
Hexane	BAAQMD condition #18138, Part 25.2	N	20,000 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 16-20, 2017.)	
Heat Input limit	BAAQMD condition #18138, part 14	Y	2,227 MM BTU/hr, 3-hr average for each Turbine and HRSG, total	BAAQMD condition #18138, part 26a	C	Fuel meter, firing monitor, calculations	Y	C	

Semiannual Monitoring Report

April 30, 2017

Site #: B8143
 Site Name: Gateway Generating Station, LLC
 Address: 3225 Wilbur Avenue, Antioch CA 94509
 Period: October 1, 2016 to March 31, 2017

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Heat Input Limit	BAAQMD condition #18138, part 15	Y	49,950 MM BTU/calendar day, for each Turbine and HRSG, total	BAAQMD condition #18138, part 26a	C	fuel meter, firing monitor, calculations	Y	C	
Heat Input Limit	BAAQMD condition #18138, part 16	Y	34,900,000 MM BTU/yr for S-41, S-43, Turbines and S-42, S-44, HRSGs combined	BAAQMD condition #18138, part 26a	C	fuel meter, firing monitor, calculations	Y	C	

Semiannual Monitoring Report

April 30, 2017

Site #: B8143
 Site Name: Gateway Generating Station, LLC
 Address: 3225 Wilbur Avenue, Antioch CA 94509
 Period: October 1, 2016 to March 31, 2017

**Table VII – B
 Applicable Limits and Compliance Monitoring Requirements
 S-47, FIRE PUMP DIESEL ENGINE**

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Opacity	BAAQMD 6-1-303.1	N	> Ringelmann No. 2 for no more than 3 minutes in any hour		N		N/A	N/A	
Opacity	SIP Regulation 6-303.1	Y	Ringelmann 2.0 for 3 minutes in any hour		N		N/A	N/A	
FP	BAAQMD 6-1-310	N	0.15 grain/dscf		N		N/A	N/A	
FP	SIP Regulation 6-310	Y	0.15 gr/dscf		N		N/A	N/A	
SO ₂	BAAQMD 9-1-301	Y	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	N/A	N/A	N/A	
SO ₂	BAAQMD 9-1-304	Y	Fuel Sulfur Limit 0.5%	BAAQMD Condition # 19498, Parts 5 and 8	P/E	Vendor Certification	Y	C	
Reliability Related Hours	BAAQMD 9-8-330	N	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter, record keeping	Y	C	

ATTACHMENT 2

Notification of Event that Occurred on October 19, 2016
Follow-up Letter on Probable Cause and Corrective Actions Report of Event that
Occurred on October 19, 2016



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

October 31, 2016

Compliance and Enforcement Division
Bay Area Air Quality Management District
375 Beale Street #600
San Francisco, CA 94105
Attn: Title V Reports

Submitted via facsimile to (415) 928-0338

Reference: Plant No. 18143 Gateway Generating Station

Subject: Notification of Event that occurred October 19, 2016

This is to notify you that PG&E Gateway Generating Station (GGS) experienced a recent event with the diesel fire pump.

On Wednesday, 10/19/2016, GGS operated the fire suppression system in order to add 10,000-13,000 gallons of water to a new storm water iron treatment system for commission testing purposes. The fire suppression system includes an electric jockey pump that maintains pressure on the system when not in use, as well as electric and diesel pumps, which automatically turn on when the pressure drops below certain levels. While filling the storm water treatment system, both the diesel and electric pumps turned on. The operator immediately turned off the diesel fire pump and continued operating the electric pump. The diesel fire pump operated for 5 minutes, which is less than what is required for the hour meter to turn.

PG&E did not intend for the diesel fire pump to operate during this activity. Currently, the operation for reliability-related activities for this engine is less than the permitted 50 hours per year. GGS typically operates this engine for maintenance & testing an average of 26 to 27 hours per 12-month period. Note that the fire suppression system must remain available 24 hours a day, 365 days per year, and that notification of any planned outages must be made to the local fire department and in some cases to PG&E's insurance provider. At this time, PG&E does not believe an equipment malfunction occurred.

Please contact me at (925) 522-7838 if you would like to discuss or if you have any questions.

Sincerely,

Diana Furman

Interim Environmental Compliance Manager

Cc: Fred Johnson, BAAQMD
Anway Ali (00-AFC-01C)
Electronically submitted to anwar.ali@energy.ca.gov
Diana Furman, PG&E
File



**Pacific Gas and
Electric Company®**

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

November 23, 2016

Compliance and Enforcement Division
Bay Area Air Quality Management District
375 Beale Street #600
San Francisco, CA 94105
Attn: Title V Reports

Reference: Plant No. 18143 Gateway Generating Station

Subject: Probable Cause and Corrective Actions Report of Event that occurred October 19, 2016

PG&E's Gateway Generating Station (GGS) (Plant No. 18143) currently operates under Title V Permit to Operate (Permit No. B8143) issued January 28, 2014 and most recently revised on March 28, 2016. PG&E is submitting this written report to identify the probable cause and corrective/preventive actions associated with a recent event with the diesel fire pump. PG&E provided the initial notification via facsimile to your office on October 31, 2016.

Summary of Event:

On Wednesday, October 19, 2016, GGS operated the fire suppression system in order to add 10,000-13,000 gallons of water to a new storm water iron treatment system for commission testing purposes. The fire suppression system includes an electric jockey pump that maintains pressure on the system when not in use, as well as electric and diesel pumps, which automatically turn on when the pressure drops below certain levels. While filling the storm water treatment system, both the diesel and electric pumps turned on. The operator immediately turned off the diesel fire pump and continued operating the electric pump. The diesel fire pump operated for 5 minutes, which is less than what is required for the hour meter to turn.

PG&E did not intend for the diesel fire pump to operate during this activity. Currently, the operation for reliability-related activities for this engine is less than the permitted 50 hours per year. GGS typically operates this engine for maintenance & testing an average of 26 to 27 hours per 12-month period. Note that the fire suppression system must remain available 24 hours a day, 365 days per year, and that notification of any planned outages must be made to the local fire department and in some cases to PG&E's insurance provider. At this time, PG&E does not believe an equipment malfunction occurred.

Probable Cause:

PG&E believes the probable cause for this event is the lack of a process for using the fire suppression system when not in a maintenance or emergency situation.

Corrective and/or Preventive Actions:

As identified in the event summary, as soon as PG&E was aware that the diesel pump was operating, the operator immediately turned off the engine.

In addition, PG&E is in the process of updating processes and procedures to address the use of the fire suppression system when the operation is not for maintenance or emergency use. PG&E will also be providing training to staff and contractors, as appropriate.

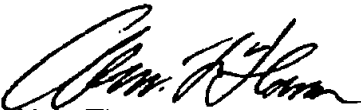
Furthermore, PG&E will be installing signs to indicate the fire hydrants should only be used by authorized personnel.

Certification:

Based upon the information and belief formed after reasonable inquiry, I, as the responsible official of GGS, certify that the information contained in this report is true, accurate, and complete. If you have any questions or comments about the information presented in this letter, please do not hesitate to call me at (415) 973-4466.

Sincerely,

PACIFIC GAS AND ELECTRIC COMPANY



Alvin Thoma
Director, Power Generation

Cc: Michael Bostick, BAAQMD
Anwar Ali (00-AFC-01C)
Electronically submitted to anwar.ali@energy.ca.gov
Diana Furman, PG&E
File