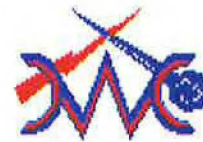


DOCKETED

Docket Number:	85-AFC-01C
Project Title:	Compliance - Watson Cogeneration Company AFC
TN #:	231044
Document Title:	Annual Compliance Report 2018
Description:	N/A
Filer:	Anwar Ali
Organization:	Watson Cogen Company
Submitter Role:	Applicant
Submission Date:	12/10/2019 12:52:28 PM
Docketed Date:	12/10/2019

Watson Cogeneration Company

22850 South Wilmington Avenue
P.O. Box 6203
Carson, California 90749-6203
Telephone (310) 816-1700



VIA EMAIL

Mr. Anwar Ali
Compliance Project Manager
California Energy Commission
1516 9th Street, MS-2000
Sacramento, California 95814-5512

**Subject: Watson Cogeneration Company (Facility #06755)
2018 Annual Compliance Report – AQ-42, AQ-43
Submittal # 376**

Dear Mr. Ali:

In compliance with the California Energy Commission Conditions of Certification AQ-42 and AQ-43, attached is a summary of the start up and shut down modes of operation for Turbines 1, 2, 3, and 4 at the Cogen facility. The Turbine Trains 1, 2, 3, and 4 did not exceed the 8 hours mode of start up operation, and 4 hours mode of shut down operation. During start-up, the associated duct burners for the turbines were not fired and there were no excess emissions.

A hard copy of this report and a CD with Watson's RATA reports will be sent by mail.

If you have any questions concerning this report, please do not hesitate to contact me at 310-816-8821.

Regards,

A handwritten signature in blue ink, appearing to read 'Michael Alexander', is written over a light blue circular stamp.

Michael Alexander
Cogen Operations Engineer

bcc: Connie Chow, Marathon Los Angeles Refinery
Jimmie Espie, WCC
Hakan Civan, WCC

2018 - GTG's 91 - 94 Startup and Shutdown Summary

Note: Due to noise in the duct fuel measurements, the meters may read greater than 0 when there is no flow.

		91FI103	91FI101	91JI977	91FC122	91FI110	Flame Detector A	Flame Detector B	Flame Detector C	Flame Detector D	Duration (hrs)	Duct Burners Fired
		GTG1 NAT GAS FUEL FLOW LB/SEC	GTG1 BUTANE FUEL FLOW LB/SEC	GTG1 WATTS MEGAWT	HRS G1 DUCT BRNR FUEL GAS MSCFH	GTG1 DENOX STM FLOW LB/SEC						
	START UP	SHUT DOWN										
GTG 91		11.23	0.05	83.88	0.00	13.83	1	1	1	1	0.42	
		0.00	0.06	0.15	0.00	1.08	0	0	0	0		
	27-Nov-18 08:20:00	0.00	0.06	0.10	-21.21	1.77	0	0	0	0	7.88	No
	27-Nov-18 16:13:00	10.51	0.59	76.02	-21.21	1.72	1	1	1	1		
		11.82	0.64	90.07	113.09	15.17	1	1	1	1	0.05	
	29-Nov-18 09:05:00	0.15	0.67	0.10	-19.88	1.73	0	0	0	0		
	29-Nov-18 17:19:00	0.06	0.06	0.09	18.85	3.72	0	0	0	0	1.12	No
	29-Nov-18 18:26:00	10.77	0.07	81.38	16.04	12.33	1	1	1	1		
		10.91	0.48	80.53	107.63	1.80	1	1	1	1	0.03	
	01-Dec-18 17:33:00	0.00	0.48	0.10	-21.13	1.73	0	0	0	0		
	03-Dec-18 18:35:00	0.00	0.08	0.09	14.23	3.75	0	0	0	0	0.88	No
	03-Dec-18 19:28:00	11.22	0.64	86.12	-21.21	13.50	1	1	1	1		
		9.44	0.26	69.89	-21.21	7.67	1	1	1	1	0.03	
	03-Dec-18 22:56:00	0.15	0.21	0.11	-21.21	1.91	0	0	0	0		
	03-Dec-18 22:58:00	0.13	0.05	0.10	-21.21	4.03	0	0	0	0	5.17	No
	05-Dec-18 13:59:00	11.49	0.07	87.22	-21.21	13.85	1	1	1	1		
	05-Dec-18 19:09:00											

Note: Due to noise in the duct fuel measurements, the meters may read greater than 0 when there is no flow.

		92FI103	92FI101	92JI977	92FC122	92FI110	Flame Detector A	Flame Detector B	Flame Detector C	Flame Detector D	Duration (hrs)	Duct Burners Fired	
		GTG2 NAT GAS FUEL FLOW LB/SEC	GTG2 BUTANE FUEL FLOW LB/SEC	GTG2 WATTS MEGAWT	HRSG2 DUCT BRNR FUEL GAS MSCFH	GTG2 DENOX STM FLOW LB/SEC							
	START UP	SHUT DOWN											
GTG 92		09-Feb-18 20:59:00	11.38	0.75	91.20	4.17	14.03	1	1	1	1	0.98	
		09-Feb-18 21:58:00	0.13	0.00	0.04	7.37	0.55	0	0	0	0		
	11-Feb-18 11:12:00		0.07	0.00	0.04	7.42	2.33	0	0	0	0	3.27	No
	11-Feb-18 14:28:00		10.91	0.00	89.10	62.95	12.85	1	1	1	1		
		08-Oct-18 06:57:00	11.24	0.75	84.82	0.00	14.24	1	1	1	1	0.95	
		08-Oct-18 07:54:00	0.16	0.09	0.07	0.00	1.28	0	0	0	0		
		08-Oct-18 12:00:00	0.09	0.68	0.07	0.00	2.70	0	0	0	0	1.28	No
		08-Oct-18 13:17:00	11.16	0.69	83.51	0.00	13.85	1	1	1	1		

Note: Due to noise in the duct fuel measurements, the meters may read greater than 0 when there is no flow.

		93FI103	93FI101	93JI977	93FC122	93FI110	Flame Detector A	Flame Detector B	Flame Detector C	Flame Detector D	Duration (hrs)	Duct Burners Fired	
		GTG3 NAT GAS FUEL FLOW LB/SEC	GTG3 BUTANE FUEL FLOW LB/SEC	GTG3 WATTS MEGAWT	HRSG3 DUCT BRNR FUEL GAS MSCFH	GTG3 DENOX STM FLOW LB/SEC							
	START UP	SHUT DOWN											
GTG 93		13-Apr-18 20:16:00	11.27	0.53	82.57	14.11	13.52	1	1	1	1	2.75	
		13-Apr-18 23:01:00	0.00	0.00	0.00	4.11	0.00	0	0	0	0		
	30-Apr-18 13:21:00		0.30	0.03	0.01	-21.21	1.56	0	0	0	0	6.67	No
	30-Apr-18 20:01:00		10.07	0.00	78.92	-19.44	11.78	1	1	1	1		
		31-May-18 23:07:00	0.30	11.25	81.47	-20.73	14.74	1	1	1	1	0.65	
		31-May-18 23:46:00	0.30	0.00	0.01	-21.21	0.22	0	0	0	0		
		01-Jun-18 18:54:00	0.06	0.02	0.00	-21.21	0.34	0	0	0	0	5.90	No
		02-Jun-18 00:48:00	10.76	0.26	78.89	-15.90	13.28	1	1	1	1		
		23-Aug-18 07:15:00	10.63	0.69	75.97	60.43	13.05	1	1	1	1	0.08	
		23-Aug-18 07:20:00	0.30	0.69	0.00	28.12	1.56	0	0	0	0		
		23-Aug-18 15:01:00	0.37	0.07	0.01	15.18	1.47	0	0	0	0	1.82	No
		23-Aug-18 16:50:00	10.80	0.62	78.93	67.87	12.83	1	1	1	1		

Note: Due to noise in the duct fuel measurements, the meters may read greater than 0 when there is no flow.

		94FI103	94FI101	94JI977	94FC122	94FI110	Flame Detector A	Flame Detector B	Flame Detector C	Flame Detector D	Duration (hrs)	Duct Burners Fired	
		GTG4 NAT GAS FUEL FLOW LB/SEC	GTG4 BUTANE FUEL FLOW LB/SEC	GTG4 WATTS MEGAWT	HRSG4 DUCT BRNR FUEL GAS MSCFH	GTG4 DENOX STM FLOW LB/SEC							
GTG 94	START UP												
	SHUT DOWN												
		09-Mar-18 20:59:00	11.39	0.21	84.33	19.52	13.77	1	1	1	1	2.17	
		09-Mar-18 23:09:00	0.05	0.29	-0.04	19.58	0.27	0	0	0	0		
		13-Mar-18 13:00:00	0.05	0.00	-0.04	13.85	0.22	0	0	0	0	3.02	No
		13-Mar-18 16:01:00	11.31	0.00	84.33	19.35	14.52	1	1	1	1		
		01-Oct-18 06:57:00	10.91	0.00	81.11	46.23	13.47	1	1	1	1	0.52	
		01-Oct-18 07:28:00	0.21	0.00	-0.04	45.24	0.48	0	0	0	0		
		01-Oct-18 11:52:00	0.04	0.04	-0.04	50.19	0.62	0	0	0	0	1.45	No
		01-Oct-18 13:19:00	10.96	0.00	79.74	51.38	4.77	1	1	1	1		
		14-Dec-18 20:48:00	11.64	0.00	87.86	44.55	14.81	1	1	1	1	0.92	
		14-Dec-18 21:43:00	0.16	0.00	-0.04	45.73	1.48	0	0	0	0		
		16-Dec-18 12:58:00	0.04	0.00	-0.04	44.46	0.59	0	0	0	0	2.45	No
		16-Dec-18 15:25:00	11.63	0.38	87.15	81.14	14.80	1	1	1	1		