DOCKETED	
Docket Number:	85-AFC-05C
Project Title:	Compliance - Application for Certification of the (BAF) American I Cogeneration Project AFC
TN #:	242944
Document Title:	ANNUAL COMPLIANCE REPORT- 2021
Description:	ANNUAL COMPLIANCE REPORT- 2021
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Organization:	Calpine King City Cogen Project
Submitter Role:	Commission Staff
Submission Date:	5/6/2022 10:08:16 AM
Docketed Date:	5/6/2022

CALPINE KING CITY COGEN, LLC (85-AFC-5C)

KING CITY POWER PLANT CALIFORNIA ENERGY COMMISSION ANNUAL COMPLIANCE REPORT

Calendar Year 2021

Calpine King City Cogen, LLC 750 Metz Road King City, CA 93930

California Energy Commission 2020 Annual Compliance Report January 1, 2021 - December 31, 2021

CURRENT PROJECT STATUS

On April 28, 1999 the terms of the PPA required the facility to adopt a 24 hours per day, 7 days per week operating schedule for the remainder of the term of the agreement (year 2019). The Cogen operated through 2007 according to this schedule when economically viable. During this period the facility was shut down for maintenance outages, economic curtailments and experienced forced outages.

In November 2006, the facility began 5x13 operation running Monday through Friday 08:30 to 21:30. This operating schedule continued through April 2019, at which time the PPA ended. Calpine King City Cogen, LLC (CKCC) has been operating a combustion turbine as a cogeneration electric generation facility supplying energy to Pacific Gas and Electric Company under a Standard Offer No. 4 (SO4) contract and steam to an industrial host under a steam supply contract. These contracts expired on April 28, 2019, and as a result, CKCC was no longer exempt from Acid Rain program requirements under 40 CFR 72.6(b).

CKCC submitted an application the Monterey Bay Air Resources District (MBARD) for a modification of the King City Title V Permit, TV-0000012, in May 2019, requesting to amend their Title V permit to include the Acid Rain permit requirements of 40 CFR Part 72 to the cogeneration facility with the General Electric (GE) Frame 7 gas turbine. Notification was given to EPA, MBARD and CEC in 2019 that the CTG of the CKCC facility commenced commercial operation on June 18, 2019. The Title V Permit TV-0000012A was issued by the MBARD on March 10, 2020, including the Acid Rain permit. The CKCC facility continued commercial operations through 2021.

Operation details for the combustion and steam turbine including Operating, Availability, Outage and Capacity information are included in the 2021 Monthly Performance Reports provided in Attachment 1. The scheduled maintenance outages occurred in March and November of 2021.Overall, the facility continued to maintain an excellent record of availability for electrical production.

STATUS OF COMPLIANCE PLAN REQUIREMENTS FOR WHICH ACTION WAS SCHEDULED DURING THIS PERIOD

Cogeneration

Cogen-01 Project Owner shall file with the California Energy Commission during each calendar year an annual report in which monthly average values of the following parameters will be given; 1) monthly fuel use (quantity and Btu value) as evidenced by an invoice from the gas supplier, 2) monthly electrical sales (KWh) as evidenced by invoice from PG&E, 3) monthly steam sales (quantity and Btu value) as evidenced by an invoice to RAVA, 4) feedwater rate (lb/hr) and temperature (F), 5) condensate return rate (lb/hr) and temperature, 6) process steam from auxiliary boilers (lb/hr) and temperature, pressure, enthalpy, auxiliary boilers operating hours.

<u>Status – The facility remained in compliance with this condition in 2021. Refer</u> to 2021 Monthly Performance Reports provided in Attachment 1 (There were no steam sales to RAVA in 2021).

Reliability and Safety

RE-01 Project Owner shall inform the CEC of any design changes made subsequent to certification by the Commission, whether made during final design or construction, which would affect the project's availability or capacity factors.

<u>Status – The facility remained in compliance with this condition in 2021. No</u> <u>design changes were made during 2021 that would affect the projects</u> <u>availability or capacity factors.</u>

RE-03 Project Owner shall prepare an annual report documenting the plant availability and capacity factors achieved, supported by the following information: Combustion turbine/generators, Heat Recovery steam generators, Feedwater pumps, Steam turbine/generators, Condensers, Condensate pumps, Cooling water pumps, Controls. For each forced outage a precise identification of the equipment whose failure resulted in the forced outage and resulting forced outage hours. Identification of equipment or other causes (curtailments) for which planned outage was instituted in any given month. Annual plant availability and capacity factors, per EPRI definitions.

> <u>Status – The facility remained in compliance with this condition in 2021. Refer</u> to 2021 Monthly Performance Reports provided in Attachment 1.

Public Health

PH-01 Project Owner shall cause to be established an ambient monitoring system for ozone, TSP, and PM10 in the Salinas Valley, downwind and south of the facility.

> Status – The facility remained in compliance with this condition in 2021. Project Owner continues to financially support the operation of the King City Air Monitoring Station. The station commenced operation on March 8, 1998 at the Industrial Road site. In May 2007, the station was relocated when the original site became unsuitable to its current location at the San Lorenzo School on Pearl Street in King City. The station is located in King City. The King City Air Monitoring Station is owned and operated by Monterey Bay Unified Air Pollution Control District effective July 1, 2010. The station is currently monitoring ozone, PM10, PM-2.5, shelter temperature, wind speed, wind direction, ambient temperature and relative humidity. The Air Monitoring Station was maintained and operated in 2021.

PH-02 Project Owner shall limit ammonia emission due to ammonia slip in the NOx reduction process to no greater than 10 parts of ammonia per 1 million parts of flue gas.

Status - The facility remained in compliance with this condition in 2021.

Ammonia Safety

AM-01 Project Owner shall comply with storage and handling requirements of anhydrous ammonia as specified in Title 29, CFR, Sec. 1910.111; Title 8, CAC, Ch. 4, Subchapter 1, Article 6, and ANSI K61.1 – 1981. Verify via Monterey County Department of Health Permit.

> <u>Status – The facility remained in compliance with this condition in 2021, and is</u> in compliance with the ammonia storage and handling requirements. The hazardous materials permit is issued by the Monterey County Department of Environmental Health, the local Certified Unified Program Agency (CUPA). The annual hazardous material permit was renewed and remains valid until June 30, 2022.

AM-03 Project Owner shall contract only with Department of Transportation licensed haulers for the transport of anhydrous ammonia.

Status – The facility remained in compliance with this condition in 2021.

AM-09 Project Owner shall facilitate on-site worker safety inspections conducted by the California Division of Occupational Safety and Health during construction and operation of the facility when an employee complaint has been received.

<u>Status – The facility did not receive any employee complaints in 2021. The facility remained in compliance with this condition in 2021.</u>

Air Quality

AQ-01 Before implementing any major change in the Air Pollution Control (APC) systems identified in Determination of Compliance (DOC) Conditions 8, 15, and 16, the Emissions Monitoring Systems (EMS) identified in DOC Conditions 17 through 24, or if any changes to any Conditions of Certification related to air quality are proposed, the project owner shall submit the proposed change to the Monterey Bay Unified Air Pollution Control District (MBUAPCD or District) and the Energy Commission_for approval. Examples of major changes are the use of alternative APC systems, EMS, or equipment, or a major change in the performance criteria specified in the referenced DOC Conditions.

<u>Status – During 2021 the facility did not implement any major changes to the air</u> pollution control system, the emissions monitoring system or make any changes affecting air quality conditions of certification. The NOx, CO and O2 analyzers on the Gilroy Energy Center, LLC for King City (Peaker) were replace with like in kind analyzers and a copy of EPA Certification for these anaylzers is attached with the Title V compliance certification report to MBUAPCD submitted this year. Refer to the 2021 Title V Annual Certification Report (Attachment 2). The facility remained in compliance with this condition in 2021.

AQ-02 The project owner shall report any minor change in the APC systems identified in DOC Conditions 8, 15, and 16, or the EMS identified in DOC Conditions 17 through 22, to the MBUAPCD and CPM CEC staff. Examples of minor changes are modifications made grade during initial startup of the facility to ensure compliance with applicable emission limitations or use of alternative hardware to meet the required performance criteria.

> <u>Status – During 2021 the facility did not implement or make any minor changes</u> to the air pollution control system or alternate hardware to meet required performance criteria. The NOx, CO and O2 analyzers on the Gilroy Energy Center, LLC for King City (Peaker) were replaced with like in kind analyzers and a copy of EPA Certification for these anaylzers is attached with the Title V compliance certification report to MBUAPCD submitted this year. Refer to the 2021 Title V Annual Certification Report (Attachment 2). The facility remained in compliance with this condition in 20201

AQ-05 The MBUAPCD shall monitor all activities related to site preparation and construction, and monitor operation of the project to ensure compliance with the Conditions of Certification contained in the Commission Decision relating to Air Quality. The MBUAPCD shall perform all duties and functions normally performed by the MBUAPCD and shall have the authority to issue a Permit to Operate. The conditions of the Permit to Operate will be consistent with the Certification Conditions in the Commission Decision. The project owner shall submit to the CPM a report on the status of compliance for each condition related to air quality in the Commission Decision on the project. These reports shall be submitted annually.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>facility submits the annual Title V compliance certification report to MBUAPCD</u> <u>by Feb 15th of each year. Refer to the 2021 Title V Annual Certification Report</u> (Attachment 2). The PTOs for all equipment at the facility remain valid.

AQ-07 The annual emissions of the gas turbine shall not exceed 130 tons per year of NO_x and 82 tons per year of CO.

<u>Status – The facility remained in compliance with this condition in 2021. In</u> 2021, the gas turbine emissions remained below the 130 tons per year of NOx limit and 82 tons per year of CO. Refer to the 2021 Annual Facility Emission Summary (Attachment 3).

AQ-08 The maximum annual NOx emission cap for the combined or individual operation of the gas turbine and/or the boiler(s) shall not exceed 133.40 tons per year.

Status – The facility remained in compliance with this condition in 2021. In 2021, the gas turbine and boilers annual NOx emissions total for the plant remained below 133.4 tons per year. Refer to the 2021 Annual Facility Emission Summary (Attachment 3).

AQ-20 The auxiliary boilers shall be fired on natural gas, except that No.2 fuel oil may be used during training/testing, or periods of natural gas curtailment by the utility, or in the event of natural gas supply malfunction or disruption not within the control of the project owner. In any event, No.2 fuel oil shall not be used for more than 240 hours per year per boiler.

> <u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>auxiliary boilers were not fired on No.2 fuel oil for training/testing or natural gas</u> <u>curtailments during 2021.</u>

AQ-23 The sulfur content of any No.2 oil used as fuel in the turbine or auxiliary boilers shall not exceed 0.05 percent by weight. All fuel received must be certified to contain 0.05 percent sulfur, or less, by weight.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> gas turbine or auxiliary boilers did not operate on No.2 fuel oil during 2021. The No.2 fuel oil storage tank remained empty during 2021.

AQ-16 Submit gas turbine cold and hot startup protocols which minimize emissions. Amend protocols based on operating experience.

<u>Status – The facility remained in compliance with this condition in 2021. The gas turbine startup protocol was reviewed and kept current in 2021.</u>

AQ-34: An annual compliance test shall be conducted prior to January 1 of each year in accordance with the MBUAPCD test procedures, and the written results of the compliance test shall be provided to the District within sixty 60 days after testing. A testing protocol shall be submitted to the District 30 days prior to testing and the District shall be notified at least 10 days prior to the actual testing day so that a District observer can be present.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>annual compliance test was conducted in June 2021 by Montrose Air Quality</u> <u>Services.</u>

AQ-36 Conduct gas turbine ammonia slip tests per MBUAPCD approved procedures on an annual basis to determine turbine stack discharge ammonia emissions.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>annual compliance testing including ammonia slip was conducted in June 2021</u> <u>by Montrose Air Quality Services. Ammonia slip test results demonstrate the</u> <u>facility remains below permit limits.</u>

AQ-38 Monitor and record all periods of oil firing in a log maintained on site and shall submit a summary of this data on an annual basis, at the time of permit renewal.

<u>Status – The facility remained in compliance with this condition in 2021. Neither</u> the gas turbine nor the auxiliary boilers were fired on fuel oil during 2021.

AQ-39 Project Owner shall monitor and record all startup, shutdown, and operational profiles in a log maintained on site.

<u>Status – The facility remained in compliance with this condition in 2021. Startup, shutdowns and operating profiles are recorded in the control room electronic J5 logbook.</u>

AQ-41 Submit a statement in the Annual Compliance Report that operations have been conducted in compliance with all data and specifications submitted with the application.

<u>Status – The facility remained in compliance with this condition in 2021.</u> Operations of the King City Cogen Power Plant during 2021 have been conducted in compliance with all data and specifications submitted with the application. Also included is the 2021 Title V Annual Certification Report (Attachment 2).</u>

AQ-42 Submit a statement in the Annual Compliance Report that equipment must be properly maintained and kept in good operating condition.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> equipment has been properly maintained and kept in good operating condition during the 2021 reporting period. Also included is the 2021 Title V Annual <u>Certification Report (Attachment 2).</u>

AQ-43 Submit a statement in the Annual Compliance Report equipment must not be operated unless it is vented to air pollution control equipment which is in full use.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> plant equipment was not operated in 2021 unless it was vented to air pollution control equipment, which was in full use. Also included is the 2021 Title V Annual Certification Report (Attachment 2).

AQ-44 The project owner shall cause to be operated an ambient monitoring station at a site approved by the Air Pollution Control Officer, for NO₂, PM10, and O₃ and standard meteorological parameters on a continuous basis, in accordance with the EPA requirement contained in 40 CFR 58, and as deemed necessary in accordance with the California Air Resources Board guidelines as deemed necessary. The monitoring station instrumentation shall be compatible with the District's daily data retrieval polling methods.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>ambient air monitoring station is owned and operated by MBUAPCD since July</u> <u>1, 2010. Parameters being monitored at the King City station are Ozone, PM-</u> <u>10, PM-2.5, Wind Speed, Wind Direction, and Ambient Temperature. The Air</u> <u>Monitoring Station was maintained and operated in 2021.</u>

AQ-45 Allow MBUAPCD and CEC personnel site entry for inspection and access to records described in permits. Submit a statement in the Annual Compliance Report on compliance with this condition.

AQ-47 The gas turbine and the auxiliary boilers must not be operated simultaneously for more than 6 full load equivalent hours during any 24-hour period.

Status – The facility remained in compliance with this condition in 2021. AQ-08 was amended on 8/22/00 by the CEC to eliminate the restrictive hours of operations placed on the two auxiliary boilers. Quarterly emission caps were applied per MBUAPCD Permit to Operate effective October 6, 2000. Quarterly and annual NOx emission for the plant remained below permit limit in 2021. Refer to the 2021 Annual Facility Emission Summary (Attachment 3).

AQ-50 Conduct monthly tests to measure total dissolved solids (TDS) in circulating water. Monitoring records shall be available to the MBUAPCD and CPM upon request.

<u>Status – The facility remained in compliance with this condition in 2021. Monthly cooling tower TDS test samples were collected and analyzed in 2021 by FGL a certified laboratory. Copies of the monthly TDS lab reports are available to the MBUAPCD and CPM upon request.</u>

AQ-51 Design and operate the cooling tower so that PM-10 drift emissions do not exceed 20 pounds per day.

<u>Status – The facility remained in compliance with this condition in 2021.</u> <u>Emissions from the cooling tower did not exceeded 20 pounds per day of PM-10 in 2021. PM10 emissions are submitted in the monthly report to the MBUAPCD.</u>

AQ-53 Cumulative emissions, including emissions generated during Start-ups and Shutdown, from all equipment at Project Owner King City Cogen and the Gilroy Energy Center shall not exceed the following quarterly and annual limits:

	NOx (lb.)	CO (lb.)	PM10 (lb.)	VOC (lb.)	SO ₂ (lb.)
1st Quarter	72,452	58,445	12,071	4,762	1,748
2nd Quarter	73,178	59,095	12,204	4,815	1,768
3rd Quarter	73,905	59,744	12,339	4,868	1,787
4th Quarter	73,905	59,744	12,339	4,868	1,787
Annual	293,440	237,028	48,953	19,313	7,090

<u>Status – The facility remained in compliance with this condition in 2021. The facility quarterly emissions are submitted quarterly to the MBUAPCD. Refer to the 2021 Annual Facility Emission Summary (Attachment 3).</u>

AQ-54 The emission limits contained in Conditions of Certification AQ-6, AQ-10, AQ-11 and AQ-12 shall not apply during periods of combustor tuning, balancing, or non-Air District regulatory mandated performance testing. These periods shall not exceed 100 hours per year. The project owner shall notify the District prior to initiating any of these activities, and shall monitor and record all periods of these activities in a log maintained on-site and shall submit a summary of this data to the District and CPM as part of the annual report

> <u>Status – The facility remained in compliance with this condition in 2021. No</u> <u>Tuning was conducted in 2021.</u>

AQ-55 The emission limits contained in Conditions of Certification AQ-18, AQ-19 and AQ-21 shall not apply during periods of boiler tuning. Boiler tuning shall not exceed 50 hours per year per boiler.

Status - The facility remained in compliance with this condition in 2021. No Tuning was conducted in 2021.

<u>Safety</u>

SY-07 Project Owner and the King City Fire Department shall annually re-examine the fire protection program.

<u>Status – The facility remained in compliance with this condition in 2021. The</u> <u>City of King, Fire Marshall conducted a site inspection and reviewed the facility</u> <u>fire protection program on October 27, 2021. There were no issues or findings</u> <u>from this inspection (copy of Inspection Record in Attachment 4).</u>

SY-09 Project Owner shall facilitate on-site worker safety inspections conducted by the California Division of Occupational Safety and Health during construction and operation of the facility when an employee complaint has been received.

<u>Status – The facility remained in compliance with this condition in 2021. The facility did not received any employee complaints in 2021.</u>

SY-12 Project Owner shall contract only with Department of Transportation licensed haulers for the transportation of hazardous materials.

<u>Status – The facility remained in compliance with this condition in 2021. The facility uses DOT licensed haulers to transport hazardous materials.</u>

Transmission Line Safety and Nuisance

TSN-01 Project Owner shall request PG&E to inspect the transmission line annually to ensure compliance with applicable standards, ordinances, and laws.

Status - The facility remained in compliance with this condition in 2021. Project Owner has requested PG&E to inspect the transmissions lines annually.

TSN-06 Project Owner shall request PG&E to keep each transmission line pole site free of waste material, rubbish, and vegetation as required by regulation. Calpine shall submit at least once a year a record of PG&E inspection and clean-up reports of the fire prevention activities around the transmission line poles.

<u>Status - The facility remained in compliance with this condition in 2021. The transmission line poles sites were free of waste material, rubbish and vegetation in 2021.</u>

Transportation

TT-01 Project Owner shall notify the CEC of any overload permits obtained from Caltrans and Monterey County or of the alternative transport of heavy equipment to the site by rail.

<u>Status – The facility remained in compliance with this condition in 2021. No</u> overload permit(s) were obtained from Caltrans and Monterey County in 2021.

TT-02 Project Owner shall notify the CEC upon satisfaction of the encroachment and excavation permit requirements. The site shall also file any required or requested information with the City.

<u>Status – The facility remained in compliance with this condition in 2021. No</u> <u>encroachment and excavation permit(s) were obtained from the City in 2021.</u>

TT-03 Project Owner shall comply with the King City ordinance regarding use of designated city streets.

<u>Status – The facility remained in compliance with this condition in 2021.</u> <u>Contracted deliveries were in compliance with King City Ordinance in 2021.</u> TT-04 Project Owner shall enter into the standard contractual agreement with King City to restore to pre-project conditions any areas impacted by project-related related truck traffic.

> <u>Status – The facility remained in compliance with this condition in 2021. In 2021</u> there was no project related truck traffic impacting the city streets.

TT-05 Project Owner shall place under Metz Road any utility extensions or new water lines required, and through traffic will be maintained on Metz Road during such utility placement.

<u>Status - The facility remained in compliance with this condition in 2021. No</u> <u>utility extensions or new water lines were installed in 2021.</u>

TT-06 Project Owner shall comply with applicable transportation safety standards, ordinances, and laws in transporting ammonia to the project site.

<u>Status – The facility remained in compliance with this condition in 2021. All applicable standards, ordinances, and laws regarding ammonia transportation were complied with in 2021.</u>

Visual Resources

VR-01 Project Owner shall paint all structures, stacks and tanks a color that will blend with the bluff north of the site.

<u>Status – The facility remained in compliance with this condition in 2021. No</u> <u>structures, stacks or tanks were painted in 2021.</u>

Waste Management

WM-02 Project Owner shall dispose of periodic operational wastes in a Class I landfill or obtain approval from the Regional Water Quality Control Board (RWQCB) that such waste can be otherwise legally be disposed.

> <u>Status – The facility remained in compliance with this condition in 2021. Coles</u> <u>Environmental Services, a California licensed TSDF for hazardous waste, was</u> <u>used in 2021 for handling and disposing of facility wastes.</u>

WM-04 If Project Owner stores hazardous waste onsite for more than 90 days, it shall obtain a determination that the requirements for storing hazardous waste at the facility have been satisfied.

Status - The facility remained in compliance with this condition in 2021.

WM-05 Project Owner shall use only licensed hazardous waste haulers for transporting hazardous wastes.

<u>Status – The facility remained in compliance with this condition in 2021. Coles</u> <u>Environmental Services, a contracted California licensed hazardous waste</u> <u>hauler, was used in 2021 for handling and disposing of facility wastes.</u>

Attachments:

- 1 Operating, Availability and Capacity Report
- 2 Title V Annual Certification Report
- 3 Annual Facility Emission Summary
- 4 2021 Fire Marshall Inspection Record

Attachment 1

2021 Monthly Operating, Availability and Capacity Summary Reports

CALPINE NERC GADS DATABASE GADS ANALYSIS & REPORTING

Operating Data Summary

January 2021 Through December 2021

	GENERATION MWh		GENERATION MWh STARTS		SERVICE OUTAGE		PRIMARY FUEL QUANTITY		SECONDARY FUEL	HEAT RATE Btu/kWh		
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BUR	NED	QUANTITY BURNED	GROSS	NET	
KING CITY CT1												
2021												
Jan 2021	0	0	0	0	0.00	0.00	0.000	MMcf GG	0.000			
Feb 2021	7,251	7,062	7	7	107.62	0.00	86.816	MMcf GG	0.000	12,427	12,761	
Mar 2021	0	0	0	0	0.00	187.73	0.000	MMcf GG	0.000			
Apr 2021	771	745	2	2	14.09	7.83	9.925	MMcf GG	0.000	13,246	13,708	
May 2021	2,461	2,397	7	7	43.60	65.58	31.444	MMcf GG	0.000	13,109	13,459	
Jun 2021	9,519	9,206	16	16	143.55	2.65	116.260	MMcf GG	0.000	12,579	13,007	
Jul 2021	18,477	17,913	26	26	267.70	9.65	221.844	MMcf GG	0.000	12,426	12,817	
Aug 2021	11,789	11,407	19	19	178.12	3.93	143.974	MMcf GG	0.000	12,652	13,075	
Sep 2021	7,783	7,537	11	11	113.97	2.08	93.635	MMcf GG	0.000	12,451	12,858	
Oct 2021	1,253	1,210	2	2	21.70	0.00	15.545	MMcf GG	0.000	12,865	13,322	
Nov 2021	0	0	0	0	0.00	136.07	0.000	MMcf GG	0.000			
Dec 2021	0	0	0	0	0.00	27.80	0.000	MMcf GG	0.000			
2021	59,304	57,477	90	90	890.35	443.32				12,547	12,946	

January 2021 Through December 2021

	GENERATIO	N MWh	STARTS		SERVICE	OUTAGE	PRIMARY FUEL OLIANTITY	SECONDARY FUEL	HEAT RATE Btu/kWh	
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET
KING CITY CT1										
Totals for all spe	ecified time periods									
TOTALS	59,304	57,477	90	90	890.35	443.32			12,547	12,946

January 2021 Through December 2021

	GENERATION	MWh STARTS		SERVICE OUTAGE		PRIMARY FUEL QUANTITY	SECONDARY FUEL	HEAT RATE Btu/kWh		
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET
KING CITY ST1										
<u>2021</u>										
Jan 2021	0	0	0	0	0.00	0.00	0.000 WH	0.000		
Feb 2021	3,091	3,026	7	7	100.98	0.00	0.000 WH	0.000	0	0
Mar 2021	0	0	0	0	0.00	187.73	0.000 WH	0.000		
Apr 2021	324	319	2	2	11.60	7.83	0.000 WH	0.000	0	0
May 2021	1,058	1,027	7	7	35.95	65.58	0.000 WH	0.000	0	0
Jun 2021	4,389	4,332	16	16	129.23	2.65	0.000 WH	0.000	0	0
Jul 2021	8,531	8,429	26	26	247.40	9.70	0.000 WH	0.000	0	0
Aug 2021	5,446	5,368	19	19	161.69	3.93	0.000 WH	0.000	0	0
Sep 2021	3,597	3,547	11	11	104.44	2.11	0.000 WH	0.000	0	0
Oct 2021	565	557	2	2	19.25	0.00	0.000 WH	0.000	0	0
Nov 2021	0	0	0	0	0.00	136.07	0.000 WH	0.000		
Dec 2021	0	0	0	0	0.00	27.80	0.000 WH	0.000		
2021	27,001	26,605	90	90	810.54	443.40			0	0

January 2021 Through December 2021

	GENERATIO	N MWh	STARTS		SERVICE	OUTAGE	PRIMARY FLIEL OLIANTITY	SECONDARY FUEL	HEAT RATE Btu/kWh	
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET
KING CITY ST1										
Totals for all spe	cified time periods									
TOTALS	27,001	26,605	90	90	810.54	443.40			0	0

CALPINE NERC GADS DATABASE GADS ANALYSIS & REPORTING

Operating Data Summary

January 2021 Through December 2021

_	GENERATION	N MWh	STAF	RTS	SERVICE OUTAGE		PRIMARY FUEL QUANTITY		SECONDARY FUEL	HEAT RATE	HEAT RATE Btu/kWh	
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BUR	RNED	QUANTITY BURNED	GROSS	NET	
KING CITY PE	AKER JT1											
<u>2021</u>												
Jan 2021	214	204	6	6	6.92	62.70	2.158	MMcf GG	0.000	10,437	10,948	
Feb 2021	678	647	12	11	19.67	22.00	6.596	MMcf GG	0.000	10,105	10,590	
Mar 2021	209	200	4	3	6.30	347.87	2.065	MMcf GG	0.000	10,261	10,733	
Apr 2021	137	132	4	3	3.75	0.23	1.332	MMcf GG	0.000	10,004	10,383	
May 2021	417	399	8	8	11.54	182.33	4.065	MMcf GG	0.000	10,001	10,452	
Jun 2021	1,544	1,474	13	13	39.10	1.28	14.485	MMcf GG	0.000	9,662	10,121	
Jul 2021	2,865	2,739	18	18	67.93	11.30	26.102	MMcf GG	0.000	9,429	9,863	
Aug 2021	1,250	1,195	12	11	31.00	3.28	11.611	MMcf GG	0.000	9,623	10,066	
Sep 2021	1,860	1,775	12	12	44.04	2.51	16.940	MMcf GG	0.000	9,426	9,877	
Oct 2021	695	661	10	10	21.22	14.73	6.753	MMcf GG	0.000	10,076	10,594	
Nov 2021	494	466	13	13	19.34	106.88	5.317	MMcf GG	0.000	11,105	11,773	
Dec 2021	1,288	1,239	20	19	37.95	28.52	12.504	MMcf GG	0.000	10,067	10,465	
<u>2021</u>	11,650	11,130	132	127	308.76	783.63				9,760	10,217	

January 2021 Through December 2021

	GENERATIO	N MWh	STA	RTS	SERVICE	OUTAGE HOURS	PRIMARY FUEL QUANTITY BURNED	SECONDARY FUEL QUANTITY BURNED	HEAT RATE Btu/kWh		
MONTH	GROSS	NET	ATT	ACT	HOURS				GROSS	NET	
KING CITY PEA	KER JT1										
Totals for all spe	ecified time periods										
TOTALS	11,650	11,130	132	127	308.76	783.63			9,760	10,217	

CALPINE NERC GADS DATABASE GADS ANALYSIS & REPORTING

Operating Data Summary

January 2021 Through December 2021

-	GENERATION	N MWh	STAR	RTS	SERVICE	OUTAGE	PRIMARY FUEL QUANTITY	SECONDARY FUEL	HEAT RATE	Btu/kWh
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET
ALL UNITS	(all a file									
<u>2021</u>										
Jan 2021	214	204	6	6	6.92	62.70			10,437	10,948
Feb 2021	11,020	10,734	26	25	228.27	22.00			8,798	9,032
Mar 2021	209	200	4	3	6.30	723.33			10,261	10,733
Apr 2021	1,232	1,196	8	7	29.44	15.89			9,402	9,685
May 2021	3,936	3,823	22	22	91.09	313.49			9,256	9,529
Jun 2021	15,452	15,012	45	45	311.88	6.58			8,715	8,970
Jul 2021	29,873	29,081	70	70	583.03	30.65			8,590	8,824
Aug 2021	18,485	17,970	50	49	370.81	11.14			8,719	8,969
Sep 2021	13,240	12,859	34	34	262.45	6.70			8,643	8,900
Oct 2021	2,513	2,428	14	14	62.17	14.73			9,201	9,523
Nov 2021	494	466	13	13	19.34	379.02			11,105	11,773
Dec 2021	1,288	1,239	20	19	37.95	84.12			10,067	10,465
2021	97,956	95,212	312	307	2,009.65	1,670.35			8,757	9,009

January 2021 Through December 2021

	GENERATIO	N MWh	STARTS		SERVICE	OUTAGE		SECONDARY FUEL	HEAT RATE Btu/kWh	
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET
ALL UNITS										
Totals for all spe	ecified time periods									
TOTALS	97,956	95,212	312	307	2,009.65	1,670.35			8,757	9,009

January 2021 Through December 2021

	GENERATI	ON MWh	STA	STARTS		OUTAGE	PRIMARY FUEL QUANTITY	SECONDARY FUEL	HEAT RATE Btu/kWh		
MONTH	GROSS	NET	ATT	ACT	HOURS	HOURS	BURNED	QUANTITY BURNED	GROSS	NET	

January 2021 Through December 2021

Custom Selection KING CITY CT1 KING CITY PEAKER JT1 KING CITY ST1

Attachment 2

2021 Title V Annual Certification Report

CERTIFICATION REPORT (FORM 218-161)

DISTRICT:	< DISTRICT USE ONLY =
MBUAPCD	DISTRICT ID:
COMPANY NAME:	FACILITY NAME:
Calpine King City Cogeneration, LLC; and Gilroy Energy Center, LLC For King City	Calpine King City Cogeneration, LLC; and Gilroy Energy Center, LLC For King City

I. FACILITY INFORMATION

- 1. Company Name: Calpine King City Cogeneration, LLC and Gilroy Energy Center, LLC for King City
- 2. Facility Name (if different than Company Name): Calpine King City Cogeneration, LLC & Gilroy Energy Center, LLC for King City

750 Metz Road, King City, CA 93930

750 Metz Road, King City, CA and 51 Don Bates Way, King City, CA 93930

- 3. Mailing Address:
- 4. Street Address or Source Location:
- 5. Facility Permit Number: <u>TV-0000012A</u>

II. GENERAL INFORMATION

- 1. Reporting period (specify dates): ____1/1/2021 12/31/2021
- 2. Due date for submittal of report: ____2/15/2022
- 3. Type of submittal: [] Monitoring Report (complete Section III below)
 - [] Compliance Schedule Progress Report (complete Section IV of Form 218-K2)
 - [X] Compliance Certification (complete Section V of Form 218-K2)

III. MONITORING REPORT INFORMATION

- 1. Were deviations from monitoring requirements encountered during the reporting period?
 - [] No [X] Yes
- Were deviations from permit conditions discovered during the required monitoring?
 [] No
 [X] Yes (If Yes, complete Form 218-L or a summary of previously reported deviations)

CTEIRTHETICATIION REPORT (FORM 2118-1K2))

DISTRICT:	<district only="</th" use=""></district>
MBUAPCD	DISTRICT D:
COMPANY NAME:	FACILITY NAME:
Calpine King City Cogeneration, LLC; and	Calpine King City Cogeneration, LLC; and
Gilroy Energy Center, LLC For King City	Gilroy Energy Center, LLC For King City

IV. COMPLIANCE SCHEDULE PROGRESS INFORMATION

- 1. Dates the activities, milestones, or compliance required by schedule of compliance was achieved/will be achieved:
- 2. Provide explanation of why any dates in schedule of compliance were not/will not be met:
- 3. Describe in chronological order preventive or corrective action taken:

V. COMPLIANCE CERTIFICATION

- 1. Was source in compliance during the reporting period specified in Section II of Form 218-K1?
 - [X] Yes [] No (If no, document period(s) of noncompliance or resubmit Forms 218-I and J) See form 218-L
- 2. Is source currently in compliance with all applicable federal requirements and permit conditions?

[X] Yes [] No

I certify based on information and belief formed after reasonable inquiry, the statement and information in this document and supplements are true, accurate, and complete.

Signature of Responsible Official	, h	1	Date: February	10, 2022
	11	ľ		

Print Name of Responsible Official: Kevin Karwick

Title of Responsible Official and Company Name: General Plant Manager, Central Coast Projects, Calpine Corp.

Telephone Number of Responsible Official: (408) 337-3429

DENIATION REPORT (FORM 218-L)

DISTRICT:	< DISTRICT USE ONLY =
MBUAPCD	DISTRICT ID:
COMPANY NAME:	FACILITY NAME:
Gilroy Energy Center, LLC For King City	Calpine King City Cogeneration, LLC; and Gilroy Energy Center, LLC

I. DEVIATION INFORMATION

- Permit number(s) of emission unit or control unit affected: See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.
- 2. Description of deviation:

See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.

- Description and identification of permit condition(s) deviated: See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.
- Associated equipment and equipment operation (if any): See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.
- Date and time when deviation was discovered:
 See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.
- Date, time and duration of deviation:
 See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.

Probable cause of deviation: See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.

 Preventive or corrective action taken:
 See Breakdown/Deviation Report (attached) on the NOx Analyzer breakdown occurrence on 01/01/2021 for the Gilroy Energy Center, LLC for King City.

COMPLIANCE CERTIFICATION REPORT ATTACHMENT FOR CALPINE KING CITY COGEN AND GILROY ENERGY CENTER Reporting Period: January 1, 2021 to December 31, 2021 TV-0000012A

CONDITION	<u>COMPLIANCE STATUS</u> (CONTINUOUS OR Continuous)	METHOD USED TO DETERMINE COMPLIANCE STATUS
1	Continuous Compliance	CEM and Annual Compliance Tests
2	Continuous Compliance	CEM and Annual Compliance Tests
3	Continuous Compliance	CEM and Annual Compliance Tests
4	Continuous Compliance	CEM and Annual Compliance Tests
5	Continuous Compliance	CEM and Annual Compliance Tests
6	Continuous Compliance	CEM and Annual Compliance Tests
7	Continuous Compliance	CEM & Plant data
8	Continuous Compliance	CEM & Annual compliance test.
9	Continuous Compliance	CEM & Annual compliance test
10	Continuous Compliance	CEM & Annual compliance test.
11	Continuous Compliance	CEM
12	Continuous Compliance	No fuel oil fired
13	Continuous Compliance	No fuel oil fired
14	Continuous Compliance	No fuel oil fired
15	Continuous Compliance	No fuel oil fired
16	Continuous Compliance	No fuel oil fired
17	Continuous Compliance	No fuel oil fired
18	Continuous Compliance	Logbook, MBUAPCD notification, Annual Report
19	Continuous Compliance	Logbook and MBUAPCD notification
20	Continuous Compliance	Protocol on-site and reviewed
21	Continuous Compliance	CEM and Plant data. No fuel oil fired
22	Continuous Compliance	CEMS, Quarterly Facility Emissions Report
23	Continuous Compliance	Did not fire on No. 2 fuel oil

COMPLIANCE CERTIFICATION REPORT ATTACHMENT FOR CALPINE KING CITY COGEN AND GILROY ENERGY CENTER Reporting Period: January 1, 2021 to December 31, 2021

TV-0000012A

<u>CONDITION</u>	<u>COMPLIANCE STATUS</u> (CONTINUOUS OR Continuous)	METHOD USED TO DETERMINE COMPLIANCE STATUS
24	Continuous Compliance	Compliance Reports to MBARB & CEC
25	Continuous Compliance	CRO Logs and Maintenance Records
26	Continuous Compliance	CEM and Plant data
27	Continuous Compliance	Operational records, calculations & CEM
28	Continuous Compliance	No chromium in water treatment chemicals, MSDS
29	Continuous Compliance	SO2 Allowance account established and necessary deposits made.
30	Continuous Compliance	Plant records/ CRO Logs
31	Continuous Compliance	Air Monitoring station operated
32	Continuous Compliance	RMP document and records maintained
33	Continuous Compliance	Refrigeration Contractors EPA Certified
34	Continuous Compliance	Testing and subsequent reporting completed
35	Continuous Compliance	Testing and subsequent reporting completed
36	Continuous Compliance	Testing and subsequent reporting completed
37	Continuous Compliance	No fuel oil fired
38	Continuous Compliance	No fuel oil delivered for turbine or boilers
39	Continuous Compliance	Lab tests for TDS, monthly reports
40	Continuous Compliance	Lab tests for TDS, monthly reports
41	Continuous Compliance	No fuel oil fired
42	Continuous Compliance	CEMS, Plant Records
43	Continuous Compliance	CEMS, Monthly Reports
44	Continuous Compliance	CEM Records
45	Continuous Compliance	CEM Records
46	Continuous Compliance	CEMS Records

COMPLIANCE CERTIFICATION REPORT ATTACHMENT FOR CALPINE KING CITY COGEN AND GILROY ENERGY CENTER Reporting Period: January 1, 2021 to December 31, 2021

TV-0000012A

CONDITION	COMPLIANCE STATUS	METHOD USED TO DETERMINE
	(CONTINUOUS OR Continuous)	COMPLIANCE STATUS
47	Intermittent - Deviation NOx monitoring - 01/01/2021, 6:13pm to 01/04/2021, 5:50pm (See Attached Breakdown Report and Tile 40 CFR 75 Certification for Nox, CO and O2 Analyzer, Like In Kind Replacement)	Continuously record CO, O2 and NOx
48	Continuous Compliance	QA/QC Plan, Operational Records
49	Continuous Compliance	QA/QC Plan, Operational Records
50	Continuous Compliance	CEM Records; Operational Records
51	Continuous Compliance	CEM Records, Plant DCS
52	Continuous Compliance	CEMS, Breakdown Reports, Plant Records
53	Continuous Compliance	CEMS records and Plant DCS
54	Continuous Compliance	Plant DCS and Plant Records
55	Continuous Compliance	Plant DCS and Plant Records
56	Continuous Compliance	Plant Records/CRO Log
57	Continuous Compliance	Plant DCS and Plant Records - no oil firing
58	Continuous Compliance	Data provided as requested
59	Continuous Compliance	Records maintained
60	Continuous Compliance	Records maintained
61	Continuous Compliance	Breakdown Reported 01/01/2021
62	Continuous Compliance	Reports submitted on time, as required
63	Continuous Compliance	Reports submitted on time, as required
64	Continuous Compliance	Reports submitted on time, as required
65	Continuous Compliance	Reports submittedon time, as required
66	Continuous Compliance	Reports submittedon time, as required

COMPLIANCE CERTIFICATION REPORT ATTACHMENT FOR CALPINE KING CITY COGEN AND GILROY ENERGY CENTER Reporting Period: January 1, 2021 to December 31, 2021

TV-0000012A

CONDITION	<u>COMPLIANCE STATUS</u> (CONTINUOUS OR Continuous)	METHOD USED TO DETERMINE COMPLIANCE STATUS	
67	Continuous Compliance	In compliance with permit conditions	
68	Continuous Compliance	No enforcement action	
69	Continuous Compliance	No cause for action determined by District	
70	Continuous Compliance	No rights conveyed by permit	
71	Continuous Compliance	Data provided upon request	
72	Continuous Compliance	All requirements met	
73	Continuous Compliance	All requirements met	
74	Continuous Compliance	No violations reported	
75	Continuous Compliance	All requirements met	
76	Continuous Compliance	No admiistrative or judicial challenges	
77	Continuous Compliance	Annual emission fee paid	
78	Continuous Compliance	TV-0000012 on file and posted at facility	
79	Continuous Compliance	No emergency, as defined in District Rule 218	
80	Continuous Compliance	Access to faiclity granted to authorized personnel	
81	Continuous Compliance	Title V Permit TV-0000012A Issued 3/10/2020. An application for renewal was submitted on September 3, 2021.	

Gary Fuller

From:	Gary Fuller
Sent:	Tuesday, January 5, 2021 7:34 PM
То:	'reports@mbard.org'
Subject:	FW: Gilroy Energy Center, LLC for King City Breakdown Report for NOx Analyzer
	1-1-2021
Attachments:	Breakdown and Deviation reporting form_KCPeaker_1-2-2021_Copleted & Signed.pdf

Meant to include address also.

Thanks, Gary

From: Gary Fuller

Sent: Tuesday, January 5, 2021 12:57 PM To: Leif Halvorson (LHalvorson@mbard.org) <LHalvorson@mbard.org> Cc: Teresa Sewell (tsewell@mbuapcd.org) (tsewell@mbuapcd.org) <tsewell@mbuapcd.org>; Kevin Karwick <kevin.karwick@calpine.com>; Paul Mansfield <Paul.Mansfield@calpine.com>; David Williams (David.Williams@calpine.com) <David.Williams@calpine.com>; Christopher Cullison <Christopher.Cullison@calpine.com> Subject: Gilroy Energy Center, LLC for King City Breakdown Report for NOx Analyzer 1-1-2021

Dear Mr. Halvorson,

Regarding the Gilroy Energy Center, LLC for King City (PTO #15134 and Title V #TV-0000012A), attached is the completed Breakdown/Deviation Reporting Form, signed by the Responsible Official, for the NOx analyzer breakdown called into the District on January 1, 2021. I plan to follow up and call you this afternoon to see if you had any questions or need additional information.

Thank You, Gary

Gary M. Fuller EHS Specialist Calpine Corp. King City Energy Center Pastoria Energy Facility (661) 282-4405 - Office (661) 332-2046 - Cell fullerg@calpine.com



24580 Silver Cloud Court • Monterey, California 93940 • 831/647-9411 • FAX 831/647-8501

BREAKDOWN/DEVIATION REPORTING FORM TITLE V FACILITY

Reporting: ✓ Applical	ble box(es)				
🗹 BRI	EAKDOWN - Exceeding	Permitted Emission Limit	ts or Rule I	Requir	ements due to an unforeseeable Equipment Breakdown.
Distri	ct Permit to Operate Number:	PTO 15134		. Co	ondition No.: 8
 X Notify MBUAPCD within 1 Hour @ (831) 647-9411 after occurrence (after-hrs press #7) X The Equipment is to operate only until the end of run or 24 hours, whichever is sooner (except for CEM equipment, for which the period shall be 96 hours) at which time it shall be shutdown for repairs. If breakdown will last longer than 24 hours, contact MBUAPCD to file for a variance. X Notify MBUAPCD of estimated time for repair within 24 hours of occurrence. X Submit Completed Form to Compliance Division of the MBUAPCD within five (5) days after the occurrence has been corrected. 					
Ø DEV	VIATION - A violation of	f a requirement contained i	in the Title	V per	mit.
Title	V Permit No.:	۹	C	onditi	on No.: 47
 X Submit Completed Form (bolded sections) within 96 hours of occurrence to Compliance Division of the MBUAPCD. X I certify based on information and belief formed after reasonable inquiry, the statement and information in this document and supplements are true, accurate, and complete. Signature of Responsible Official: Date:1/5/2021 Print Name of Responsible Official: Kevin Karwick Title: GENERAL MANAGER CENTRAL COAST PROJECTS 					
Company	Name: Gilroy Energy Cente	er, LLC For King City	Pho	one No	o.: (831) 970-1015
Address:	51 Don Bates Way, King Cit	y, CA 93930			114 ₁₂₁₀₁₁
Person Di	scovering Incident: Control Ro	oom Operator	Dat	te/Tim	e of Discovery: 01/01/2021 06:13 pm
Person Re	porting Incident: Gary Fuller		Phone N	√o.: (6	61) 332-2046
Date/Tim	e Breakdown Reported : 01/01	/2021 06:58 pm			Person Contacted: MBARD Message – (831) 647-9411
Date/Tim	e When Release/Breakdown	Deviation Began: 01/01/	2021 - 6:13	3nm	
Date/Tim	e When Release/Breakdown	Deviation Stopped: 01/0	2/2021 - 5:	:50pm	
Date/Time Breakdown Repair Reported: 01/02/2021 and 01/04/2021			Person Contacted: Called (left voice message) on 01/02/2021 and review with MBARD Inspector Leif Halverson over the phone on 01/04/2021		
Description of equipment and reasons for the occurrence/release/deviation					
On 1/1/2021 at 6:13 pm, the Control Room Operator received a 'NOx Analyzer Fault' alarm and NOx emissions were showing invalid on the display screen. The unit was shutdown at 6:30pm. A Breakdown on the NOx analyzer was called into the Monterey Bay Air Resources District (Gary Fuller left voicemail) at 7:00pm (01/01/2021).					
Detail actions(s) taken to reduce or correct incident/deviation:					
analyzer that was removed will be shipped back to the OEM for analysis and repair, if feasible.					
Detail action(s) to be taken to avoid future reoccurrence (include schedule):					
Gilroy Energy Center for King City is investigating the procurement of new analyzers.					
Indicate kind and total amount in pounds of release:					
inere we	There were no excess emissions related to this oreaxdown/deviation of permit conditions.				

750 Metz Road King City, CA 93930 Phone: (831) 385-4090 Fax: (831) 385-6683

August 5, 2021

Air Division – Region 9 U.S. Environmental Protection Agency, Region 9 75 Hawthorne Street San Francisco, CA 94105-3901

Re: Gilroy Energy Center, LLC, for King City - Facility ID No. 10294, Unit 2 Title 40 CFR 75 CEMS Certification Application

To Whom It May Concern:

In accordance with Title 40 Code of Federal Regulations Subpart F 75.63 Initial certification or recertification application (a) (2) (i), please find the CEMS Certification Application for the Gilroy Energy Center, LLC for King City, Facility ID (ORISPL) 10294, Unit 2.

If you have any questions or would like to receive a hardcopy, please feel free to contact me at (408) 337-3429.

I certify based on information and belief formed after reasonable inquiry, the statements and information in this document and supplements are true, accurate, and complete.

Sincerely,

Kevin Karwick Designated Representative and General Manager Gilroy Energy Center, LLC for King City

cc: Leif Halvorson - MBARD Anwar Ali - CEC

Gilroy Energy Center, LLC for King City King City, California

ORIS CODE: 10294 Unit 2

CEMS RECERTIFICATION REPORTS

Date: August 5, 2021

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report
TABLE OF CONTENTS

3

1.0 CEMS RECERTIFICATION

The Gilroy Energy Center, LLC - King City Peaker located in King City, California consists of one simple cycle GE LM6000PD natural gas combustion turbine (Unit 2). The gas turbine is fired exclusively with pipeline quality natural gas. The turbine has a rated output of 49.6 MW and 500 MMBtu/hour. Exhaust gases from the turbines are discharged into the atmosphere through a stack approximately 80 feet above grade. The CEM systems are extractive systems for the continuous measurement of exhaust gas concentrations of nitrogen oxides (NOx), carbon monoxide (CO), and oxygen (O2).

The CEMS analyzers on combustion turbine Unit 2 has been replaced with new Thermo analyzers to meet the monitoring and reporting requirements of Monterey Bay Air Resources Board (MBARD), 40 CFR 60, and 40 CFR 75. This report presents the results of the recertification testing on the NO_x, CO, and O₂ analyzers. The testing was performed to meet the requirements of 40 CFR 60, Appendix B, Performance Specifications 2, 3, 4/4A, 6 and 40 CFR 75, Appendix A. The recertification requirements of 40 CFR 75 are applied to the NO_x and O₂ analyzers.

Field recertification testing on Unit 2 CEMS analyzers occurred between May 12 and June 14, 2021 for 40 CFR 60 and 40 CFR 75 requirements. The tests conducted on the CEMS included Relative Accuracy, Bias Check, 7-day Calibration Error, Linearity, and Cycle/Response Time.

The Montrose Air Quality Services, LLC of Antioch, California conducted Relative Accuracy (RA) testing for NOx, CO, and O_2 on June 14, 2021. A bias check evaluation was also made on the NO_x lb/mmBtu relative accuracy results as required in 40 CFR 75. The summary report of the RA testing and bias adjustment factor is provided in Appendix 6. The complete report was submitted under separate cover via email.

The calibration drift tests for the unit occurred during seven consecutive operating days from May 11 through June 2, 2020 for 40 CFR 75 and 40 CFR 60 requirements. The results of the analyzer drift tests are attached in Appendix 2.

Linearity and Cycle Time tests on the NO_x and O_2 analyzers are a requirement of 40 CFR 75. The tests for Unit 2 took place on May 11, 2021. Audit reports for the linearity tests and the cycle time tests are also provided in Appendices 3 and 4, respectively.

In summary, the Unit 2 CEMS at the Gilroy Energy Center, LLC for King City provides reliable data and operates within the requirements of the EPA as outlined in 40 CFR 60, Appendix B, Performance Specifications 2, 3, 4/4a, 6 and 40 CFR 75, Appendix A and meets the requirements of the MBARD for CEMS.

APPENDIX1

EMISSIONS MONITORING AND MONITORING PLAN SYSTEM PRINTOUT

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report



August 3, 2021 10:20 AM

Facility Name: King City Power Plant

Facility Details		an a	алан алан алан алан алан алан алан алан
Facility ID (ORISPL): Monitoring Plan Location IDs: State: County: Latitude: Longitude:	10294 2 CA Monterey County 36.2250 -121.1278		

Reporting Frequency

Monitoring Plan Location IDs	Reporting Frequency	Begin Quarter	End Quarter
2	Q - Quarterly	2002 QTR 2	

Monitoring Location Attributes

Unit/Stack/Pipe Identifier	Duct Indicator	Ground Elevation	Stack Height	Cross Area Exit	Cross Area Flow	Material Code	Shape Code	Begin Date	End Date
2		325	80	186		OTHER	RECT	12/29/2001	

Unit Operation Information

Unit	Non-Load	Commence Commercial	Commence	B	oiler/Turbine Typ	be	Max Heat Input		
Identifier	Based Ind	Operation Date	Operation Date	Code,	Begin Date	End Date	Value (mmBtu)	Begin Date	End Date
2	0	09/30/2001		СТ	09/30/2001		468.0	11/11/2002	11/30/2006
		09/30/2001		СТ	09/30/2001		500.0	12/01/2006	

Unit Type Codes: CT - Combustion turbine

Unit Program Information

			Unit Monitor, Certification	Unit Monitor Certification
Unit Identifier	Program Code	Unit Class	Begin Date	Deadiine
2	ARP	P2	09/30/2001	12/29/2001

Page 1 of 8

Facility Name: King City Power Plant

Facility ID (ORISPL): 10294

August 3, 2021 10:20 AM

Unit Fuel

Unit Identifier	Fuel Type,	Fuel indicator	Demonstration Method for GCV	Demonstration Method for Daily Sulfur	Ozone Season Indicator	Begin Date	End Date
2	PNG	Р				04/01/2002	
Fuel Type Codes:		PNG - Pipeline Nat	ural Gas				

Fuel Indicator Codes:

P - Primary

Unit Controls

Unit Identifier	Parameter	Control Equipment	Original Ind	Seasonal Ind	Installation Date	Optimization Date	Retirement Date
2	NOX	DLNB	Y				
	NOX	H2O	Y				
	NOX	NH3	Y				
	NOX	SCR	Y				

Control Equipment Descriptions: SCR - Selective Catalytic Reduction

NH3 - Ammonia Injection

H2O - Water Injection

DLNB - Dry Low NOx Burners

Facility Name:King City Power PlantFacility ID (ORISPL):10294

August 3, 2021 10:20 AM

Monitoring Method

Unit/Stack/Pipe Ide	ntifier	Parameter	Methodology	Substitute Data Approach	Bypass Approach Code	Begin Date/Hour	End Date/Hour					
2		CO2 *	AD	SPTS		04/01/2002 00						
			AD	SPTS		04/01/2002 00						
		NOXR	CEM	SPTS		04/01/2002 12						
		OP	EXP			04/01/2002 00						
		SO2	AD	SPTS		04/01/2002 00						
Parameter Codes:	SO2 - 3	SO2 Hourly Mass Rate (Ib	/hr)			·						
	0P - 0	OP - Opacity										
	NOXR	NOXR - NOx Emission Rate (lb/mmBtu)										
	HI - He	at Input Rate (mmBtu/hr)										
	CO2 -	CO2 Hourly Mass Rate (to	/hr)									
Methodology Codes:	EXP - I	EXP - Exempt										
	CEM -	Continuous Emission Mor	nitor									

AD - Appendix D

Substitute Data Codes: SPTS - Standard Part 75 for Missing Data

August 3, 2021 10:20 AM

Facility Name: King City Power Plant

Facility ID (ORISPL): 10294

Monitoring System / Analytical Components

Unit/Stack	system							Component								
/Pipe				_	= #1	15	Tuno	SAM	RAS	Manufacturar	Model or Version	Serial Number	Begin	End Date/Hour	Ha Converter	
dentifier	ID -	Type :	Des	Begin Date/Hour	End Date/Hour		type	SAN	UA3				Date/Hour		Indicator	
2	101	NOX	Р	04/01/2002 12		101	NOX	EXT	D	FISHER ROSEMOUNT	MLT 1	30121552519	04/01/2002 12	09/30/2005 23		
							102	02	EXT	D	FISHER ROSEMOUNT	MLT 1	30121552519	04/01/2002 12	05/11/2014 11	
						103	DAHS			CONTEC \ CARTWRIGHT	DATASOFT WINDOW	VERSION 2.1	04/01/2002 12	12/10/2008 12		
						106	NOX	EXT	D	TEI	42IQ	12102110553	05/09/2021 11			
		l				107	02	EXT	D	TEI	48IQ	12102110552	05/09/2021 11			
						110	NOX	EXT	D	ROSEMOUNT	MT1	U1006487	01/01/2005 00	05/11/2014 11		
						111	NOX	EXT	D	ROSEMOUNT	NGA 2000 CLD	U1006817	05/11/2014 12	05/09/2021 10		
						112	02	EXT	D	ROSEMOUNT	NGA 2000 MLT	30012581920	05/11/2014 12	05/09/2021 10		
	}					D01	DAHS			CISCO	CEDAR/BREEZ75X		12/10/2008 13			
						PL1	PLC			ALLEN BRADLEY	SLC 5/05		04/01/2002 12	12/10/2008 15		
						PL2	PLC			ALLEN BRADLEY	SLC5/05L552		12/10/2008 16			
		1				PR1	PRB	EXT		ROSEMOUNT	3G40506G01	R-01007221	04/01/2002 12			
	102	GAS	P	04/01/2002 00		103	DAHS			CONTEC \ CARTWRIGHT	DATASOFT WINDOW	VERSION 2.1	04/01/2002 00	12/10/2008 12		
						104	BGFF	ORF		UNKNOWN	BR549	NOT APPLICABLE	04/01/2002 00	09/30/2005 23		
						105	GFFM	ORF		ROSEMOUNT	3051 CD2A02A1AS	1138438	10/01/2005 00			
						D01	DAHS			CISCO	CEDAR/BREEZ75X		12/10/2008 13			
						PL1	PLC			ALLEN BRADLEY	SLC 5/05		04/01/2002 00	12/10/2008 15		
					· ·	PL2	PLC			ALLEN BRADLEY	SLC5/05L552		12/10/2008 16			

System Types Descriptions:

NOX - NOx Emission Rate GAS - Gas Fuel Flow

System Designations Descriptions: Sample Acquisition Method (SAM): P - Primary ORF - Orifice

EXT - Dry Extractive

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Facility Name:King City Power PlantFacility ID (ORISPL):10294

Component Types Descriptions:

NOX - NOx Concentration O2 - O2 Concentration DAHS - Data Acquisition and Handling System PLC - Programmable Logic Controller PRB - Probe BGFF - Billing Gas Fuel Flowmeter GFFM - Gas Fuel Flowmeter

Monitoring System Fuel Flow

Unit/Stack/Pipe Identifier	System ID	Fuel Code	Max Fuel Flow Rate	Units of Measure	Source Code	Begin Date/Hour	End Date/Hour				
2	102	PNG	5000.0	HSCF	UMX	04/01/2002 00					
System Fuel Codes Descriptions: PNG - Pipeline Natural Gas											
Units of Measure Descriptions: HSCF - Hundred Standard Cubic Feet / Hour											
Source Codes Descriptions:	UMX -	- Unit Maximum Ra	te								

Analyzer Range Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	Range Code	Dual Range Indicator	Begin Date/Hour	End Date/Hour
2	NOX	110	Auto Ranging	Y	01/01/2005 00	05/11/2014 11
	NOX	101	Low Range		04/01/2002 12	12/31/2004 23
	NOX	106	Auto Ranging	Y	05/09/2021 11	
	NOX	111	Auto Ranging	Y	05/11/2014 12	05/09/2021 10
	02	102	High Range		04/01/2002 12	05/11/2014 11
	02	107	High Range		05/09/2021 11	
	O2	112	High Range		05/11/2014 12	05/09/2021 10

Component Types Descriptions:

NOX - NOx Concentration O2 - O2 Concentration

Facility Name: King City Power Plant

Facility ID (ORISPL): 10294

Formula Codes Descriptions:

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Emissions Formulas

Unit/Stack/Pipe Identifier	Parameter	Formula ID	Formula Code	Formula	Begin Date/Hour	End Date/Hour
2	NOXR	101	19-1	lb/mmbtu=1.194*10**-7*S#(110-101)-8710-(20.9/(20,9-S#(102-101)))	04/01/2002 12	
	HI	102	F-20	mmbtu=S#(104-102)*GCVg/10**6	04/01/2002 00	
	CO2	103	G-4	wco2=1040*(f#102)*(1/385)*44)/2000	04/01/2002 00	
	SO2	104	D-5	MSO2=F#(102)*.0006	04/01/2002 00	

Parameter Codes Descriptions: NOXR - NOx Emission Rate (Ib/mmBtu)

HI - Heat Input Rate (mmBtu/hr) CO2 - CO2 Hourly Mass Rate (ton/hr) SO2 - SO2 Hourly Mass Rate (lb/hr) G-4 - CO2 (from HI, Fc) F-20 - HI (same as D-6) D-5 - SO2 (from gas SO2 emission rate, Hi) 19-1 - NOXR/SO2R (same as F-5)

Facility Name:

King City Power Plant

10294

Monitoring Plan Printout Report

August 3, 2021 10:20 AM

Facility ID (ORISPL):

Span Values

Unit/Stack					1 · · · ·				Scale	Def. High	Flow	Flow		
. /Pipe	Comp			MPC/		_ Span	Full-Scale	Units of	Transition	Range	Full Range	Span Value		
dentifier	Туре	Scale	Method	MPF	MEC	Value	Range	Measure	Point	Value	(SCFH)	(SCFH)	Begin Date/Hour	End Date/Hour
2	NOX	н	ТВ	150.0				PPM		300			04/01/2002 12	04/01/2002 13
	NOX	H	TB	150.0	9.0			PPM		300			04/01/2002 14	12/31/2004 23
	NOX	н	ТВ	174.0	9.0	200.000	200.000	PPM					01/01/2004 00	12/31/2004 23
	NOX	н	ТВ	174.0	9.0	200.000	200.000	PPM					01/01/2005 00	04/01/2007 00
	NOX	н	ТВ	150.0	5.0	200.000	200.000	PPM	9.0				04/01/2007 01	
	NOX	L	OL		9.0	10.000	10.000	PPM					04/01/2002 14	12/31/2004 23
	NOX	L	OL		9.0	10.000	10.000	PPM					01/01/2005 00	04/01/2007 00
	NOX	L	PL		5.0	10.000	10.000	PPM	9.0				04/01/2007 01	
	02	H				25.000	25.000	PCT					04/01/2002 12	

Component Types Descriptions:

NOX - NOx Concentration O2 - O2 Concentration

Span Method Codes Descriptions:

TB - Table Defaults from Part 75 or 40 CFR Part 63, Subpart UUUUU, Appendix A PL - Permit Limit for NOX MEC

OL - Other Limit PPM - Parts per Million

Units of Measure Descriptions:

PCT - Percentage

Unit/Stack/Pipe Load or Operating Level Information

	Maximum		Upper Bound	Lower Bound	Designated	Second Most	Second			
Unit/Stack/Pipe	Hourly	Units of	of Range	of Range	Normal Op.	Frequently	Normal	Load Analysis		
-Identifier	Load	Measure	of Operation	of Operation	Level	Used Op. Level	Indicator	Date	Begin Date/Hour	End Date/Hour
2	47	MW	45	30	High	Mid	Yes	04/01/2002	04/01/2002 00	03/13/2004 23
2	47	MW	47	15	High	Mid	Yes	03/13/2004	03/13/2004 00	06/30/2009 23
2	50	MW	49	30	High	Mid	Yes	07/01/2009	07/01/2009 00	12/31/2011 23
2	50	MW	50	20	Low	High	Yes	01/01/2012	01/01/2012 00	04/05/2016 00
2	47	MW	47	20	High	Low	Yes	04/05/2016	04/05/2016 01	

Units of Measure Descriptions: N

MW - Megawatt

Facility Name: King City Power Plant

10294

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Monitoring Defaults

Facility ID (ORISPL):

Unit/Stack/Pipe Identifier	Parameter	Value	Units of Measure	Purpose Code	Fuel Type	Operating Condition	Source of Value	Begin Date/Hour	End Date/Hour			
2	NORX	0,1840	LBMMBTU	MD	NFS	А	DEF	04/01/2002 12	12/31/2004 23			
	NORX	0.1840	LBMMBTU	MD	NFS	А	DEF	01/01/2004 00	04/01/2007 00			
	NORX	0.1840	LBMMBTU	MD	NFS	А	DEF	01/01/2005 00	04/01/2007 00			
	NORX	0.2990	LBMMBTU	MD	NFS	А	DEF	04/01/2007 01				
	02X	19.0000	PCT	DC	NFS	A	DEF	07/01/2003 00				
-	02X	19.0000	PCT	DC	NFS	А	DEF	07/01/2003 00	06/30/2005 23			
Parameter Codes Descriptions:	O2X	- Maximum (02 Concentration (pct)									
	NOR	X - Maximun	NOx Emission Rate (lb/n	nmBtu)								
Units of Measure Descriptions:	PCT	- Percentage	3									
	LBM	LBMMBTU - Pounds / mmBtu										
Purpose Codes Descriptions:	MD -	MD - Missing Data (or Unmonitored Bypass Stack or Emergency Fuel) Default										
-	DC -	Diluent Cap										
Fuel Type Codes Descriptions:	NFS	- Non-Fuel S	Specific									

Operating Conditions Descriptions: A - Any Hour

Source Codes Descriptions: DEF - Default Value from Part 75

APPENDIX2

7-DAY DRIFT TEST

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report

		7	7.070	7000	7000	Snan	Snan	Span	Span	
_	Instrument	Zero	Zeiu		Drift Limit	Reference	Measured	Drift	Drift Limit	Status
Time	Span	Reference	Measured		Orac Ennac	Relation	Medsured	Unit	Critic Carrie	061.05
5/11/2021 11:13	25	0.00	-0.45	-0.45	0.50	04.07	01.00	0.00	0.50	On-Line
5/11/2021 15:06	25	0.00	-0.45	-0.45	0.50	21.97	21.99	0.02	0.50	On-Line
5/12/2021 13:38	25	0.00	-0.44	-0.44	0.50	21.97	21.97	0.00	0.50	OTT-Line
5/13/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.97	0.00	0.50	Off-Line
5/13/2021 18:07	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	On-Line
5/14/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/15/2021 08:50	25	0.00	-0.46	-0.46	0.50	21.97	21.97	0.00	0.50	On-Line
5/15/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/16/2021 09:09	25	0.00	-0.46	-0.46	0,50	21.97	21.98	0.01	0.50	On-Line
5/16/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/17/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.97	0.00	0.50	Off-Line
5/18/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.96	-0.01	0.50	Off-Line
5/19/2021 11:13	25	0.00	-0.44	-0.44	0.50	21.97	21.98	0.01	0.50	Off-Line
5/20/2021 11:13	25	0.00	-0.44	-0.44	0.50	21,97	21.97	0.00	0.50	Off-Line
5/21/2021 11:13	25	0.00	-0.45	-0,45	0.50	21.97	21.99	0.02	0.50	Off-Line
5/22/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.97	0.00	0.50	Off-Line
5/23/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/24/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line
5/25/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/26/2021 11:13	25	0.00	0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line
5/27/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.97	0.00	0.50	Off-Line
5/28/2021 11:13	25	0.00	-0.46	-0.46	0.50	21 .97	21.98	0.01	0.50	Off-Line
5/29/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.99	0.02	0.50	Off-Line
5/30/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line
5/31/2021 11:13	25	°0 .00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line
5/31/2021 17:48	25	0.00	-0.45	-0.45	0.50	21.97	22.01	0.04	0.50	On-Line
6/1/2021 11:13	25	0.00	-0.45	-0:45	0.50	21.97	21.98	0.01	0.50	Off-Line
6/1/2021 15:03	25	0.00	-0.46	-0.46	0.50	21.97	21.99	0.02	0.50	On-Line
6/2/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.99	0.02	0.50	Off-Line
6/2/2021 18:38	25	0.00	-0.45	-0.45	0.50	21.97	22.01	0.04	0.50	On-Line

The 7-Day Drift Test has been passed.

7-Day Drift Summary 6/3/2021 5:34 AM

Gilroy Energy Center LLC for King City 7-Day Drift Test Turbine #1 75-02%												
	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span			
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status		
5/11/2021 11:13	25	0.00	-0.45	-0.45	0.50					Off-Line		
5/11/2021 15:06	25	0.00	-0.45	-0.45	0.50	21.97	21.99	0.02	0.50	On-Line		
5/12/2021 13:38	25	0.00	-0.44	-0.44	0.50	21.97	21.97	0.00	0.50	Off-Line		
5/13/2021 11:13	25	0.00	-0.45	-0.45	0.50	21,97	21.97	0.00	0.50	Off-Line		
5/13/2021 18:07	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	On-Line		
5/14/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/15/2021 08:50	25	0.00	-0.46	-0.46	0.50	21.97	21.97	0.00	0.50	On-Line		
5/15/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/16/2021 09:09	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	On-Line		
5/16/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/17/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21,97	0.00	0.50	Off-Line		
5/18/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.96	-0_01	0.50	Off-Line		
5/19/2021 11:13	25	0.00	-0.44	-0.44	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/20/2021 11:13	25	0.00	-0.44	-0.44	0.50	21.97	21.97	0.00	0.50	Off-Line		
5/21/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.99	0.02	0.50	Off-Line		
5/22/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.97	0.00	0.50	Off-Line		
5/23/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/24/2021 11-13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/25/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/26/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/20/2021 11:10	25	0.00	-0.45	-0.45	0.50	21.97	21.97	0.00	0.50	Off-Line		
5/28/2021 11.13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/29/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21,99	0.02	0.50	Off-Line		
5/30/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/31/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.98	0.01	0.50	Off-Line		
5/31/2021 17:48	25	0.00	-0.45	-0.45	0.50	21.97	22.01	0.04	0.50	On-Line		
6/1/2021 11:13	25	0.00	-0.45	-0.45	0.50	21.97	21.98	0.01	0.50	Off-Line		
6/1/2021 15:03	25	0.00	-0.46	-0.46	0.50	21.97	21.99	0.02	0.50	On-Line		
6/2/2021 11:13	25	0.00	-0.46	-0.46	0.50	21.97	21.99	0.02	0.50	Off-Line		
6/2/2021 18:38	25	0.00	-0.45	-0.45	0.50	21.97	22.01	0.04	0.50	On-Line		

	Turbine #1 60-NOx ppm/L											
	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span			
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status		
5/11/2021 11-13	10	0.00	0.00	0.00	0.25	8.86	8.97	0.11	0.25	Off-Line		
5/11/2021 15:06	10	0.00	0.01	0.01	0.25	8.86	9.01	0.15	0.25	On-Line		
5/12/2021 13:38	10	0.00	-0.01	0.01	0.25	8.86	8.97	0.11	0.25	Off-Line		
5/13/2021 11-13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line		
5/13/2021 18-07	10	0.00	0.01	0.01	0.25	8.86	8.92	0.06	0.25	On-Line		
5/10/2021 10:07	10	0.00	-0.01	-0.01	0.25	8.86	8.93	0.07	0.25	Off-Line		
5/15/2021 08:50	10	0.00	0.01	0.01	0.25	8.86	8.93	0.07	0.25	On-Line		
5/15/2021 11 13	10	0.00	-0.01	-0.01	0.25	8.86	8.92	0.06	0.25	Off-Line		
5/16/2021 09:09	10	0.00	0.01	0.01	0.25	8.86	8.93	0.07	0.25	On-Line		
5/16/2021 11-13	10	0.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line		
5/17/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.87	0.01	0.25	Off-Line		
5/18/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line		
5/10/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.90	0.04	0.25	Off-Line		
5/20/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.87	0.01	0.25	Off-Line		
5/21/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.88	0.02	0.25	Off-Line		
5/22/2021 11:10	10	0.00	-0.01	-0.01	0.25	8.86	8.90	0.04	0.25	Off-Line		
5/22/2021 11:10	10	0.00	-0.01	-0.01	0.25	8.86	8.85	-0.01	0.25	Off-Line		
5/20/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.86	0.00	0.25	Off-Line		
5/25/2021 11:10	10	0.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line		
5/25/2021 11:13	10	10.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line		
0/20/2021 11.10 E/07/0004 11.13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line		
5/28/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.92	0.06	0.25	Off-Line		
5/29/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.92	0.06	0.25	Off-Line		
5/30/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.94	0.08	0.25	Off-Line		
5/31/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.97	0.11	0.25	Off-Line		
5/31/2021 17:48	10	0.00	0.06	0.06	0.25	8.86	9.00	0.14	0.25	On-Line		
6/1/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.95	0.09	0.25	Off-Line		
6/1/2021 15:03	10	0.00	0.03	0.03	0.25	8.86	8.98	0.12	0.25	On-Line		
6/2/2021 11:13	10	0.00	0.00	0.00	0.25	8.86	8.98	0.12	0.25	Off-Line		
6/2/2021 18:38	10	0.00	0.02	0.02	0.25	8.86	8.99	0.13	0.25	On-Line		

	Turbine #1 75-NOX ppm/L										
	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span		
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status	
5/11/2021 11:13	10	0.00	0.00	0.00	0:25	8.86	8.97	0.11	0.25	Off-Line	
5/11/2021 15:06	10	0.00	0.01	0.01	0.25	8.86	9.01	0.15	0.25	On-Line	
5/12/2021 13:38	10	0.00	-0.01	-0.01	0.25	8.86	8.97	0.11	0.25	Off-Line	
5/13/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line	
5/13/2021 18:07	10	0.00	0.01	0.01	0.25	8.86	8.92	0.06	0.25	On-Line	
5/14/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.93	0.07	0.25	Off-Line	
5/15/2021 08:50	10	0.00	0.01	0.01	0.25	8.86	8.93	0.07	0.25	On-Line	
5/15/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.92	0.06	0.25	Off-Line	
5/16/2021 09:09	10	0.00	0.01	0.01	0.25	8.86	8.93	0.07	0.25	On-Line	
5/16/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line	
5/17/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.87	0.01	0.25	Off-Line	
5/18/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line	
5/19/2021 11:13	10	0.00	-0.01	-0.01	0.25	.8.86	8.90	0.04	0.25	Off-Line	
5/20/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.87	0.01	0.25	Off-Line	
5/21/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.88	0.02	0.25	Off-Line	
5/22/2021 11:13	10	0.00	-0.01	-0.01 ·	0.25	8.86	8.90	0.04	0.25	Off-Line	
5/23/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.85	-0.01	0.25	Off-Line	
5/24/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.86	0.00	0.25	Off-Line	
5/25/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line	
5/26/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.91	0.05	0.25	Off-Line	
5/27/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.89	0.03	0.25	Off-Line	
5/28/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.92	0.06	0.25	Off-Line	
5/29/2021 11:13	. 10	0.00	-0.01	-0,01	0.25	8.86	8.92	0.06	0.25	Off-Line	
5/30/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.94	0.08	0.25	Off-Line	
5/31/2021 11:13	10	0.00	-0.01	-0.01	0.25	8.86	8.97	0.11	0.25	Off-Line	
5/31/2021 17:48	10	0.00	0.06	0.06	0.25	8.86	9.00	0.14	0.25	On-Line	
6/1/2021 11:13	10	0.00	-0.01	-0,01	0.25	8.86	8.95	0.09	0.25	Off-Line	
6/1/2021 15:03	10	0.00	0.03	0.03	0.25	8.86	8.98	0.12	0.25	On-Line	
6/2/2021 11:13	10	0.00	0.00	0.00	0.25	8.86	8.98	0.12	0.25	Off-Line	
6/2/2021 18:38	10	0.00	0.02	0.02	0.25	8.86	8.99	0.13	0.25	On-Line	

Turbine #1 60-NOx ppm/H

	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span	
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status
5/11/2021 11:13	200	0.00	-0.10	-0.10	5.00					Off-Line
5/11/2021 15:06	200	0.00	-0.10	-0.1 0	5.00	180.80	181.70	0.90	5.00	On-Line
5/12/2021 13:38	200	0.00	-0.10	-0.10	5.00	180.80	181.60	0.80	5.00	Off-Line
5/13/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.60	-0.20	5.00	Off-Line
5/13/2021 18:07	200	0.00	-0.10	-0.10	5.00	180.80	181.40	0.60	5.00	On-Line
5/14/2021 11:13	200	0.00	-0.10	-0.10	-5.00	180.80	180.90	0.10	5.00	Off-Line
5/15/2021 08:50	200	0.00	-0.10	-0.10	5.00	180.80	181.50	0.70	5.00	On-Line
5/15/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.80	1.00	5.00	Off-Line
5/16/2021 09:09	200	0.00	-0.10	-0.10	5.00	180.80	181.00	0.20	5.00	On-Line
5/16/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.70	-0.10	5.00	Off-Line
5/17/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.30	-0.50	5.00	Off-Line
5/18/2021 11:13	200	0.00	-0.10	-0.10	5.00	180:80	180.80	0.00	5.00	Off-Line
5/19/2021 11:13	200	0.00	-0.10	-0.10	5,00	180.80	181.30	0.50	5.00	Off-Line
5/20/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.20	0.40	5.00	Off-Line
5/21/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.90	0.10	5.00	Off-Line
5/22/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.70	-0.10	5.00	Off-Line
5/23/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	179.60	-1.20	5.00	Off-Line
5/24/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.10	-0.70	5.00	Off-Line
5/25/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.20	-0.60	5.00	Off-Line
5/26/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.30	-0.50	5.00	Off-Line
5/27/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.00	-0.80	5.00	Off-Line
5/28/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.90	0.10	5.00	Off-Line
5/29/2021 11:13	200	0.00	-0.10	-0,10	5.00	180.80	181.20	0.40	5.00	Off-Line
5/30/2021 11:13	200	0.00	-0.10	-0.10	5.00	180,80	181.60	0.80	5.00	Off-Line
5/31/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.90	1.10	5.00	Off-Line
5/31/2021 17:48	200	0.00	0.00	0.00	5.00	180.80	181.40	0.60	5,00	On-Line
6/1/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.30	0.50	5.00	Off-Line
6/1/2021 15:03	200	0.00	0.00	0.00	5.00	180.80	181.70	0.90	5.00	On-Line
6/2/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.50	0.70	5.00	Off-Line
6/2/2021 18:38	200	0.00	0.00	0.00	5.00	180.80	181.80	1.00	5.00	On-Line

The 7-Day Drift Test has been passed.

7-Day Drift Summary 6/3/2021 5:30 AM

Turbine #1 75-NOx ppm/H												
	instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span			
Time	Span	Reference	Measured	Dnit	Drift Limit	Reference	Measured	Drift	Drift Limit	Status		
5/11/2021 11:13	200	0.00	-0.10	-0.10	5.00					Off-Line		
5/11/2021 15:06	200	0.00	-0.10	-0.10	5.00	180.80	181.70	0.90	5.00	Ôn-Line		
5/12/2021 13:38	200	0.00	-0.10	-0.10	5.00	180.80	181.60	0.80	5.00	Off-Line		
5/13/2021 11-13	200	0.00	-0.10	-0.10	5.00	180.80	180.60	-0.20	5.00	Off-Line		
5/13/2021 18:07	200	0.00	-0.10	-0.10	5.00	180.80	181.40	0.60	5.00	On-Line		
5/14/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.90	0.10	5.00	Off-Line		
5/15/2021 08:50	200	0.00	-0.10	-0.10	5.00	180.80	181.50	0.70	5.00	On-Line		
5/15/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.80	1.00	5.00	Off-Line		
5/16/2021 09:09	200	0.00	-0.10	-0.10	5.00	180.80	181.00	0.20	5.00	On-Line		
5/16/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.70	-0.10	5.00	Off-Line		
5/17/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.30	-0.50	5.00	Off-Line		
5/18/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.80	0.00	5.00	Off-Line		
5/19/2021 11:13	200	0:00	-0.10	-0.10	5.00	180.80	181.30	0.50	5.00	Off-Line		
5/20/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181_20	0.40	5.00	Off-Line		
5/21/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.90	0.10	5.00	Off-Line		
5/22/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.70	-0,10	5.00	Off-Line		
5/23/2021 11-13	200	0.00	-0.10	-0.10	5.00	180.80	179.60	-1.20	5.00	Off-Line		
5/24/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.10	-0.70	5.00	Off-Line		
5/25/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.20	-0.60	5.00	Off-Line		
5/26/2021 11:10	200	0.00	0.10	-0.10	5.00	180.80	180 30	-0.50	5.00	Off-Line		
5/27/2021 11:13	200	0.06	-0.10	-0.10	5.00	180.80	180.00	-0.80	5.00	Off-Line		
5/28/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	180.90	0.10	5.00	Off-Line		
5/29/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.20	0.40	5.00	Off-Line		
5/30/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.60	0.80	5.00	Off-Line		
5/31/2021 11:13	200	0.00	-0.10	-0 .10	5.00	180.80	181.90	1.10	5.00	Off-Line		
5/31/2021 17:48	200	0.00	0.00	0.00	5.00	180.80	181.40	0.60	5.00	On-Line		
6/1/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.30	0.50	5.00	Off-Line		
6/1/2021 15:03	200	0.00	0.00	0.00	5.00	180.80	181.70	0.90	5.00	On-Line		
6/2/2021 11:13	200	0.00	-0.10	-0.10	5.00	180.80	181.50	0.70	5.00	Off-Line		
6/2/2021 18:38	200	0.00	0.00	0.00	5.00	180.80	181.80	1.00	5.00	On-Line		

The 7-Day Drift Test has been passed.

7-Day Drift Summary 6/3/2021 5:31 AM

Turbine #1 CO ppm

	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span Deift Limit	Ctotus
Time	Span	Reference	Measured	Drat		Reference	Measured	Dhu		Status
5/11/2021 11:13	50	0.00	0.10	0.10	2.50					Off-Line
5/11/2021 15:06	50	0.00	0.08	0.08	2.50	45.00	44.56	-0.44	2.50	On-Line
5/12/2021 13:38	50	0.00	0.07	0.07	2.50	45.00	44.68	-0.32	2.50	Off-Line
5/13/2021 11:13	50	0.00	0.11	0.11	2.50	45. 0 0	44.70	-0.30	2.50	Off-Line
5/13/2021 18:07	50	0.00	0.20	0.20	2.50	45.00	44.80	-0.20	2.50	On-Line
5/14/2021 11:13	50	0.00	0.11	0.11	2.50	45.00	44.64	-0.36	2.50	Off-Line
5/15/2021 08:50	50	0.00	0.22	0.22	2.50	45.00	44.83	-0.17	2.50	On-Line
5/15/2021 11:13	50	0.00	0.15	0.15	2.50	45.00	44.81	-0.19	2.50	Off-Line
5/16/2021 09:09	50	0.00	0.16	0.16	2.50	45.00	44.75	-0.25	2.50	On-Line
5/16/2021 11:13	50	0.00	0.15	0.15	2.50	45.00	44.67	-0.33	2.50	Off-Line
5/17/2021 11:13	50	0.00	0.19	0.19	2.50	45.00	44.80	-0.20	2.50	Off-Line
5/18/2021 11:13	50	0.00	0.20	0.20	2.50	45.00	44.95	-0.05	2.50	Off-Line
5/19/2021 11:13	50	0.00	0.26	0.26	2.50	45.00	45.07	0.07	2.50	Off-Line
5/20/2021 11:13	50	0.00	0.28	0.28	2.50	45.00	45.20	0.20	2.50	Off-Line
5/21/2021 11:13	50	0.00	0.29	0.29	2.50	45.00	45.22	0.22	2.50	Off-Line
5/22/2021 11:13	50	0.00	0.30	0.30	2.50	45.00	45.40	0.40	2.50	Off-Line
5/23/2021 11:13	50	0.00	0.35	0.35	2.50	45.00	45.23	0.23	2.50	Off-Line
5/24/2021 11:13	50	0.00	0.39	0.39	2.50	45.00	45.45	0.45	2.50	Off-Line
5/25/2021 11:13	50	0.00	0.40	0.40	2.50	45.00	45.60	0.60	2.50	Off-Line
5/26/2021 11:13	50	0.00	0,43	0.43	2.50	45.00	45.56	0.56	2.50	Off-Line
5/27/2021 11:13	50	0.00	0.44	0.44	2.50	45.00	45.73	0.73	2.50	Off-Line
5/28/2021 11:13	50 .	0.00	0.46	0.46	2.50	45.00	45.8 9	0.89	2.50	Off-Line
5/29/2021 11:13	50	0.00	0.50	0.50	2.50	45.00	45.91	0.91	2.50	Off-Line
5/30/2021 11:13	50	0.00	0.51	0.51	2.50	45.00	46.05	1.05	2.50	Off-Line
5/31/2021 11:13	50	0.00	0.56	0.56	2.50	45.00	46.08	1.08	2.50	Off-Line
5/31/2021 17:48	50	0.00	0.72	0.72	2.50	45.00	46.10	1.10	2.50	On-Line
6/1/2021 11:13	50	0.00	0.54	0.54	2.50	45.00	46.12	1.12	2.50	Off-Line
6/1/2021 15: 03	50	0.00	0.69	0.69	2.50	45.00	46.12	1.12	2.50	On-Line
6/2/2021 11:13	50	0.00	0.56	0.56	2.50	45.00	45.98	0.98	2.50	Off-Line
6/2/2021 18:38	50	0.00	0.70	0.70	2.50	45.00	46.02	1.02	2.50	On-Line

Gilroy Energy Center LLC for King City

7-Day Drift Test

				Iumine	#I SOK NOX I	pm				
	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span	
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status
5/11/2021 10:39	250	0.00	0.20	0_20	6.25	226.70	227.20	0.50	6.25	Off-Line
5/11/2021 15:28	250	0.00	0.20	0.20	6.25	226.70	227.70	1.00	6.25	On-Line
5/12/2021 14:04	250	0.00	0.10	0.10	· 6.25	226.70	227.20	0.50	6.25	Off-Line
5/13/2021 10:39	250	0.00	0.10	0.10	6.25	226.70	225.90	-0.80	6.25	Off-Line
5/13/2021 18:29	250	0.00	0.30	0.30	6.25	226.70	227.30	0.60	6.25	On-Line
5/14/2021 10:39	250	0.00	0.00	0.00	6.25	226.70	226.60	-0.10	6.25	Off-Line
5/15/2021 09:13	250	0.00	0.30	0.30	6.25	226.70	227.00	0.30	6.25	On-Line
5/15/2021 10:39	250	0.00	0.10	0.10	6.25	226.70	226.50	-0.20	6.25	Off-Line
5/16/2021 09:33	250	0.00	0.30	0.30	6.25	226.70	226.20	-0.50	6.25	On-Line
5/16/2021 10:39	250	0.00	0.20	0,20	6.25	226.70	226.10	-0.60	6.25	Off-Line
5/17/2021 10:39	250	0.00	0.10	0.10	6.25	226.70	224.90	-1.80	6.25	Off-Line
5/18/2021 10:39	250	0:00	0.00	0.00	6.25	226.70	224.80	-1.90	6.25	Off-Line
5/19/2021 10:39	250	0.00	0.10	0.10	6.25	226.70	225.40	-1.30	6.25	Off-Line
5/20/2021 10:39	250	0.00	0.10	0.10	6.25	226.70	225.10	-1.60	6.25	Off-Line
5/21/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	225.20	-1.50	6.25	Off-Line
5/22/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.80	-1.90	6.25	Off-Line
5/23/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	223.60	-3.10	6.25	Off-Line
5/24/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.20	-2.50	6 25	Off-Line
5/25/2021 10:39	250	0:00	-0.10	-0.10	6.25	226.70	224.80	-1.90	6 25	Off-Line
5/26/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.20	-2.50	6.25	Off-Line
5/27/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	223.80	-2.90	6 25	Off-Line
5/28/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.40	-2.30	6.25	Off-Line
5/29/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.60	-2.10	6.25	Off-Line
5/30/2021 10:39	250	0.00	-0.10	-0.10	6:25	226.70	225.00	-1.70	6,25	Off-Line
5/31/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	225.20	-1.50	6.25	Off-Line
5/31/2021 18:10	250	0.00	0.10	0.10	6.25	226.70	225.30	-1.40	6.25	On-Line
6/1/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	223.80	-2.90	6.25	Off-Line
6/1/2021 15:26	250	0.00	0.20	0.20	6.25	226.70	224.90	-1.80	6.25	On-Line
6/2/2021 10:39	250	0.00	-0.10	-0.10	6.25	226.70	224.00	-2.70	6.25	Off-Line
6/2/2021 19:01	250	0.00	0.20	0.20	6.25	226.70	225.00	-1.70	6.25	On-Line

			Gilroy E	nergy C	enter LLC	for King	City			
			-	7-Da	ay Drift Test	t				
				Turbine	#1 SCR CO p	pm				
	Instrument	Zero	Zero	Zero	Zero	Span	Span	Span	Span	
Time	Span	Reference	Measured	Drift	Drift Limit	Reference	Measured	Drift	Drift Limit	Status
5/11/2021 10:39	100	0.00	-0.69	-0.69	5.00	90.51	88.33	-2.18	5.00	Off-Line
5/11/2021 15:28	100	0,00	-0.32	-0.32	5.00	90.51	87.90	-2.61	5.00	On-Line
5/12/2021 14:04	100	0.00	-0.69	-0.69	5.00	90.51	88.27	-2.24	5.00	Off-Line
5/13/2021 10:39	100	0.00	-0.77	-0.77	5.00	90.51	88.53	-1.98	5.00	Off-Line
5/13/2021 18:29	100	0.00	-0.57	-0.57	5.00	90.51	88.11	-2.40	5.00	On-Line
5/14/2021 10:39	100	0.00	-0.83	-0.83	5.00	90.51	88.09	-2.42	5.00	Off-Line
5/15/2021 09:13	100	0.00	-0.78	-0.78	5.00	90.51	88.00	-2.51	5.00	On-Line
5/15/2021 10:39	100	0.00	-0.65	-0.65	5.00	90.51	88.30	-2.21	5.00	Off-Line
5/16/2021 09:33	100	0.00	-0.81	-0.81	5.00	90.51	87.98	-2.53	5.00	On-Line
5/16/2021 10:39	100	0.00	-0.80	-0.80	5.00	90.51	87.78	-2.73	5.00	Off-Line
5/17/2021 10:39	100	0.00	-0.85	-0.85	5.00	90.51	88.13	-2.38	5.00	Off-Line
5/18/2021 10:39	100	0.00	-0.78	-0.78	5.00	90.51	88.10	-2.41	5.00	Off-Line
5/19/2021 10:39	100	0.00	-0.84	-0.84	5.00	90.5 1	87.60	-2.91	5.00	Off-Line
5/20/2021 10:39	100	0.00	-0.72	-0.72	5.00	90.51	87.68	-2.83	5.00	Off-Line
5/21/2021 10:39	100	0.00	-0.95	-0.95	5.00	90.51	87.52	-2.99	5.00	Off-Line
5/22/2021 10:39	100	0.00	-1.01	-1.01	5.00	90.51	87.90	-2.61	5.00	Off-Line
5/23/2021 10:39	100	0.00	-1.01	-1.01	5.00	90.51	87.87	-2.64	5.00	Off-Line
5/24/2021 10:39	100	0.00	-1.03	-1.03	5.00	90.51	87.85	-2.66	5.00	Off-Line
5/25/2021 10:39	100	0.00	-1.19	-1.19	5.00	90.51	87.70	-2.81	5.00	Off-Line
5/26/2021 10:39	100	0.00	-1.25	-1.25	5.00	90.51	87,49	-3.02	5.00	Off-Line
5/27/2021 10:39	100	0:00	-0.89	-0.89	5.00	90,51	87.88	-2.63	5.00	Off-Line
5/28/2021 10:39	100	0.00	-1.12	-1.12	5.00	90,51	87.52	-2.99	5.00	Off-Line
5/29/2021 10:39	100	0.00	-0.90	-0.90	5.00	90.51	87 .28	-3.23	5.00	Off-Line
5/30/2021 10:39	100	0.00	~1.02	-1.02	5.00	90.51	87.38	-3.13	5.00	Off-Line
5/31/2021 10:39	100	0.00	-1.10	-1.10	5.00	90.51	87.48	-3.03	5.00	Off-Line
5/31/2021 18:10	100	0.00	-1.47	-1.47	5.00	90.51	87.53	-2.98	5.00	On-Line
6/1/2021 10:39	100	0.00	-1.09	-1.09	5.00	90.51	87.32	-3.19	5.00	Off-Line
6/1/2021 15:26	100	0.00	-0.95	-0.95	5.00	90.51	87.20	-3.31	5.00	On-Line
6/2/2021 10:39	100	0.00	-1.48	-1.48	5.00	90.51	87.34	-3.17	5.00	Off-Line
6/2/2021 19:01	100	0.00	-1.17	-1.17	5.00	90.51	87.37	-3.14	5.00	On-Line

The 7-Day Drift Test has been passed.

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APPENDIX3

LINEARITY TEST AND CYLINDER GAS AUDIT

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report

Turbine #1 O2 Linearity

Gllroy Energy Center LLC for King City

Test Information			Analyzer and Monitor Information			
Test Date: Facility: Unit: Test Reason(s); Aborted:	5/11/2021 Range: Gilroy Energy Center LLC for King Instrument Span: City Component ID: Turbine #1 Monitoring System II n(s): RECERT No Model: Serial Number;		Single Scale 25 %O2 107 0: 101 THERMO 48IQ 12102110552			
Run Number	Time	Reference Gas	CEMS Response		Cylinder Information	
				· · · · · · · · · · · · · · · · · · ·		
Low Gas		6 50	E E4			
1	4:05 PM	5,50	5.51			
2	4:12 FW	0,00	0.02 5.50			
5	4.201 W	0.00	0.02	_	Outer Inv Voorooore	
	Mean (%O2)	5.50	5,52	- .	Cylinder ID: XC023397B Expiration Date: 7/22/2029	
	Difference of means (0.0	Limit 0,5	Passed	EXpiration Date: 1/22/2020	
	Linearity Error (%)	0.3	Limit 5.0	Passed	Cylinder contains: O2.BALN	
					-,	
Mid Gas						
1	4:07 PM	13.75	13.72			
2	4:15 PM	13.75	13.73			
3	4;22 PM	13.75	13.73			
	Mean (%O2)	13.75	13.73		Cylinder ID: CC420414	
	Difference of means (0.0	Limit 0.5	Passed	Expiration Date: 11///2024 EBA Vender ID: B72016	
	Linearity Error (%)	0.2	Limit 5.0	Passed	Cylinder contains: O2,BALN	
High Gas						
1	4:10 PM	21,97	21.96			
2	4:17 PM	21.97	21.98			
3	4:25 PM	21.97	21.97			
	Mean (%O2)	21.97	21.97 .		Cylinder ID: SG9168205BAL	
	Difference of means ([R-A]) (%O2)	0.0	Limit 0.5	Passed	Expiration Date: 12/26/2027 EPA Vendor ID: B72019	
	Linearity Error (%)	0.0	Limit 5.0	Passed	Cylinder contains: O2,BALN	

R = Reference gas value

A = Mean of actual CEMS responses

Turbine #1 O2 CGA

Gilroy Energy Center LLC for King City

Test Information			Analyzer and Monitor Information			
iest Date: 5/10/2021 iacility: Giroy Energy Cente City Unit: Turbloe #1		5/10/2021 Gilroy Energy Center LLC for King City Turbloe #1		: ient Span: icturer: Number:	Single Scale 25 %O2 THERMO 48IQ 12102110552	
Run Number	Time	Reference Gas	CEMS Response		Cylinder Information	
Low Gas						
1	9:56 AM	5.50	5.20			
2	10:01 AM	5,50	5.19		Allowable Reference Values:	
3	10:06 AM	5.50	5.19		4-6 %02	
	Mean (%O2) Differenc e of mean s (Cm-Ca) (%O2)	5.50 -0.3	5.19 Limit	~~	Cylinder iD: XC023397B Expiration Date: 7/22/2028 EPA Vendor ID: B72020	
	CEMS Accuracy (%)	-5.6	Limit 15	Passed	Cylinder contains: CO/O2	
Mid Gas						
1	9:59 AM	11,24	11.03			
2	10:04 AM	11. 24	11.02		Allowable Reference Values:	
3	10:09 AM	11.24	11.03		8-12 %O2	
	Mean (%O2)	11.24	11.03		Cylinder ID: CC144473	
	Difference of means (Cm-Ca) (%O2)	-0.2	Limit		Expiration Date: 1/13/2022 EPA Vendor ID; B32014	
	CEMS Accuracy (%)	-1.9	Limit 15	Passed	Cylinder contains: CO/O2	

CEMS Accuracy Determination (%)

Accuracy (%) = ((Cm - Ca) / Ca) * 100 Ce = Reference gas value Cm = Mean of actual CEMS responses

Turbine #1 CO CGA

Gilroy Energy Center LLC for King City

Test Information			Analyzer and Monitor Information			
Test Dale: Facility: Unit:	5/10/2021 Gilroy Energy Center LLC for King City Turbine #1		Range: Instrument Span: Manufacturer: Model: Serlal Number:		Single Scale 50 ppm ROSEMOUNT NGA 2000 MLT 30012581920	
Run Number	Time	Reference Gas	CEMS Response)	Cylinder Information	
Low Gas						
1	9:56 AM	12.57	11.86			
2	10:01 AM	12.57	11.86		Allowable Reference Values:	
3	10:06 AM	12.57	11.88		10-15 ppm (20-30% of span)	
	Mean (ppm)	12.57	11.87		Cylinder ID: XC023397B	
	Difference of means (Cm-Ca) (ppm)	-0.7	Limit 5	Passod	Expiration Date: 7/22/2028 EPA Vendor ID: B72020	
	CEMS Accuracy (%)	-5.6	Limit 15	Passed	Cylinder contains: CO/O2	
Mid Gas						
1	9:59 AM	27,23	26.63			
, 2	10:04 AM	27,23	26.57		Allowable Reference Values:	
3	10:09 AM	27,23	26.53		25-30 ppm (50-60% of span)	
	Mean (ppm)	27.23	26.58	_	Cylinder ID: CC144473	
	Difference of means (Cm-Ca) (ppm)	•0.7	Limit 5	Passed	Expiration Date: 1/13/2022 EPA Vendor ID: B32014	
	CEMS Accuracy (%)	-2.4	Limit 15	Passed	Cylinder contains: CO/O2	

CEMS Accuracy Determination (%)

Accuracy (%) = ((Cm - Ca) / Ca) * 100

Ca = Reference gas value

Cm = Meen of actual CEMS responses

Turbine #1 NOx/L CGA

Gilroy Energy Center LLC for King City

Test Information			Analyzer and Monitor Information			
T est D at e : Facility: Unit:	5/10/2021 Gilroy Energy Center LLC fo City Turbine #1		5/10/2021 Range: Gliroy Energy Center LLC for King Instrum City Manufe Turbine #1 Model: Serial N		e: ment Span: facturer: t: Number:	Low 10 ppm THERMO 42IQ 12102110553
Rum Number	Tìme	Reference Gas	CEMS Respons	e	Cylinder Information	
Low Gas						
1 2 3	12:03 PM 12:08 PM 12:13 PM	2.47 2.47 2.47	2.38 2.41 2.42		Allowable Reference Values: 2-3 ppm (20-30% of span)	
	Mean (ppm) Difference of means (Cm-Ca) (ppm) CEMS Accuracy (%)	2.47 -0.1 -2.7	2.40 Limit 5 Limit 15	 Passed Passed	Cylinder ID: CC232303 Expiration Date: 6/26/2021 EPA Vendor ID: B32018 Cylinder contains: NO,BALN	
Mid Gae						
	12:06 PM	5.56	5.34			
2 3	12:11 PM 12:16 PM	5.58 6. 5 8	5.38 5.39		Allowable Reference Values: 5-6 ppm (50-60% of span)	
	Mean (ppm) Difference of means (Cm-Ca) (ppm)	5.68 -0.2	5.37 Limit 5	Passed	Cylinder ID: CC496638 Expiration Date: 3/31/2023 EPA Vendor ID: B72020	
	CEMS Accuracy (%)	-3.8	Limit 15	Passed	Cylinder contains: NO,BALN	

CEMS Accuracy Determination (%)

Accuracy (%) = ((Cm - Ca) / Ca) * 100 Ca = Reference gas value Cm = Mean of actual CEMS responses

Turbine #1 NOx/H Linearity

Gilroy Energy Center LLC for King City

Test Date: Facility: Unit: Test Reason(s): Aborted:	5/11/2021 Gilroy Energy Center City	LLC for King	Range	: and Shan'	Hìgh 200 anm
	RECERT No		Range: LC for King Instrument Span: Component ID: Monitoring System ID Manufacturer: Model: Serial Number:		106 D: 101 THERMO 42IQ 12102110553
Run	Time	Reference	CEMS		Cylinder Information
			Troponac	<u></u>	
Low Gas					
1	3:42 PM	50.7	49.6		
2	3:49 PM	50,7	50.4		
3	3:57 PM	50.7	50.3		
-	Mean (ppm)	50.7	50.1		Cylinder ID: CC210058
l	Difference of means (R-A) (ppm)	0.6	Limit 5	Passed	Expiration Date: 12/10/2026 EPA Vendor ID: B72018
1	Linearity Error (%)	1.2	Limit 5.0	Passed	Cylinder contains: NO,CO,BALN
Mid Gas					
1	3:44 PM	109.3	108.9		
2	3:52 PM	109.3	109.2		
3	3:59 PM	109.3	109.1		
-	Mean (pom)	109.3	109.1		Cylindər ID: CC99609
	Difference of means (R-A) (ppm)	0.2	Limit 5	Passed	Expiration Date: 6/5/2026 EPA Vendor ID: B72018
I	Linearity Error (%)	0.2	Limit 5.0	Passed	Cylinder contains: NO,CO,BALN
High Gas					
1	3:47 PM	180.8	181.8		
2	3:54 PM	180.8	181.9		
3	4:02 PM	180.8	181.8		
	Mean (ppm)	180.8	181.8		Cylinder ID: EB0095955
	Difference of means ([R-A]) (ppm)	1.0	Limit 5	Passed	Expiration Date: 5/26/2028 EPA Vendor ID: 872020
	Linearity Error (%)	0.6	Limit 5.0	Passed	Cylinder contains: NO,CO,BALN

R = Reference gas value

A = Mean of actual CEMS responses

Turbine #1 NOx/H CGA

Gilroy Energy Center LLC for King City

Test information			Analyzer and Monitor Information			
Test Date: 5/10/2021 Facility: Gilroy Energy Center Li City Unit: Turbine #1 Run Number Time		er LLC for King	Range: Instrument Span: Manufacturer: Model: Serial Number: CEMS Response		High 200 ppm THERMO 421Q 12102110553	
		Reference Gas			Cylinder Information	
Low Gas						
1	12:41 PM	50.7	49.9			
2	12:48 PM	50.7	50.3		Allowable Reference Values:	
3	12:56 PM	50.7	50.4		40-60 ppm (20-30% of span) Cylinder ID: CC210058	
	Mean (ppm)	50.7	50.2	2		
	Difference of means (Cm-Ca) (ppm)	-0.5	Limit 5	Passed	Expiration Date: 12/10/2026 EPA Vendor ID: B72018	
	CEMS Accuracy (%)	-1.0	Limit 15	Passe d	Cylinder contains: NO,BALN	
Mid Gas						
í	12:43 PM	109.3	109.1			
2	12:51 PM	109,3	109.5		Allowable Reference Values:	
3	12:58 PM	109,3	109.5		100-120 ppm (60-60% of span)	
	Mean (ppm)	109,3	109,4		Cylinder ID: CC99609	
	Difference of means (Cm-Ca) (ppm)	0.1	Limit 5	Passed	Expiration Date: 6/5/2026 EPA Vendor ID: B72018	
	CEMS Accuracy (%)	0.1	Limit 15	Passed	Cylinder contains: NO,BALN	

Accuracy (%) = ((Cm - Ca) / Ca) * 100 Ca = Reference gas value

Cm = Mean of actual CEMS responses

.

APPENDIX4

CYCLE TIME TEST

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report

King City Peaker CYCLE TIME / RESPONSE TIMETEST CEM To MAIN & Marke 1416

6/14/2021 DATE

Nox High

co

02

Start with Stable Online Reading Inject High Cal Gas Return to Normal Reading Inject Zero Cal Gas Return to Normal Reading

Start Time	14	11	
Start Time	14	19	
Start Time	14	21	
Start Time	14	23	

HН

HH

14

14

14

14

Start Time

Start Time

Start Time

Start Time

Put the CEMS to "Maintenance Mode".

Reading	Cal Bottle Value
180.48	180.8
2,60	
Ø	te
2.16	

Reading

a

Reading

Cai Bottle Value

Cal Bottle Value

	нн	MM	ŞS
_			

End Time	14	17	
End Time	14	21	
End Time	IN	23	
End Time	14	25	

	нн	MRA	SS
End Time	14	28	
End Time	14	30	
End Time	14	32	
End Time	14	34	

8:89	End Time
	End Time
0	End Time
	End Time

 _36	
24	1
	_h

ŞS

MM

_			
End Time	14	37	
End Time	14	39	
End Time	14	41	
End Time	14	43	

HH

	нн	MM	SS
End Time	14	46	
End Time	14	48	
End Time	14	50	
End Time	14	52	

Nox Low	
	Start with Stable Online Reading
	Inject High Cal Gas
	Return to Normal Reading
	Inject Zero Cal Gas
	Return to Normal Reading

Start with Stable Online Reading

Start with Stable Online Reading

Inject High Cal Gas Return to Normal Reading

Inject Zero Cal Gas Return to Normal Reading

Inject High Cal Gas Return to Normal Reading Inject Zero Cal Gas Return to Normal Reading

	нн	MM	SS
Start Time	14	35	
Start Time	14	37	
Start Time	14	39	
Start Time	14	41	

HH MM

Start Time	14	44	
Start Time	14	40	
Start Time	14	48	
Start Time	<u>ī</u> 4	50	

Put the CEMS to "Service Mode". NH3 Flow Control valve in "Auto" control at steady state value.

CEN TO SETURE Mode	СЕЛ	70	Service	rade
--------------------	-----	----	---------	------

1456

нн	MM	SS
ਾਯ	3	

Ensure the NH3 Flow Control valve in "Manual" control at steady state value.

RANA

MM

26

28

30

32

SS

SS

HS 09 45	
07-0	
.55	

Reading	Cai Bottle Value	
15.92		
21.98	.21.97	ŀ
15:45		
-,44	0	-
K91		_

44	 21.98
40	 15:95
18	-,44
50	K.91

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APPENDIX6

GAS CYLINDER CERTIFICATION SHEETS

Gilroy Energy Center, LLC for King City - Unit 2 CEMS Recertification Report

an Air Liquide company

P-412

Airgas Specialty Gases Airgas USA, LLC 525 North Industrial Loop Road Tocele, UT 84074 Airgas.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory; PGVP Number: Gas Code:

E03NI94E15A4620 XC023397B 124 - Tooele (SAP) - UT B72020 CO,O2,BALN

Reference Number: 153-401854673-1 Cylinder Volume: Cylinder Pressure: Valve Outlet: Certification Date: Expiration Date: Jul 22, 2028

144.8 CF 2015 PSIG 690 Jul 22, 2020

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Cellbration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not reguline correction for ensignical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

		D	o Not Use This Cylinder below 100	opsig, i.e. 0.7 megapat	cals.	
			ANALYTICAL	RESULTS		_
Compoi	nent	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
CARBON	MONOXIDE	12.50 PPM	12.57 PPM	G1	+/-0.7% NIST Traceable	07/22/2020
OXYGEN		5.500 %	5.504 %	G1	+1-0.5% NIST Traceable	07/21/2020
NITROG	<u>EN</u>	Balance		_ _	- · · · · · · · · · · · · · · · · · · ·	
			CALIBRATION S	TANDARDS		······································
Туре	Lot ID	Cylinder No	Concentration		Uncertainty	Expiration Date
NTRM	08011130	KAL004049	9.855 PPM CARBON MON	IOXIDE/NITROGEN	0.5%	Jun 05, 2024
NTRM	11060717	CC338461	4.861 % OXYGEN/NITRO	GEN	0.4%	Dec 13, 2022
			ANALYTICAL E	OUIPMENT		
Instrum	ent/Make/Mode)	Analytical Principle		Last Multipoint Calibr	ration
Thermo 4	Thermo 48I-TLE 1163640031 CO		CO NDIR (Mason)		Jun 22, 2020	
Horiba M	PA-51 D W603MM	58 02	O2 Paramagnetic (Maso	n)	Jul 1 6, 2020	

Triad Data Available Upon Request



Approved for Release



P-264

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number:
Cylinder Number:
Laboratory:
PGVP Number:
Gas Code:

Airgas Specialty Gases 11711 S. Alameda Street Los Angeles, CA 90059 (323) 568-2208 Fax: (323) 567-3686 www.alrgas.com

100

	E03NI88E15A00K8	Reference Number:	48-124413235-1
er:	CC144473	Cylinder Volume:	145.3 CF
	ASG - Los Angeles - CA	Cylinder Pressure:	2015 PSIG
	B32014	Valve Outlet:	590
	CO,O2,BALN	Certification Date:	Jan 13, 2014
	Expiration Date:	Jan 13, 2022	

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a

volume/volume basis unless otherwise noted.

	42 ((<u>11997)</u> ((11997) (11997)		ANALYTICAL	RESULTS	a aliangan na katalan k	
Component Re Co		Requested Concentrat	Requested Actual Concentration Concentration		Total Relative Uncertainty	Assay Dates
CARBON	N MONOXIDE	27.50 PPM	27.23 PPM	G1	+/- 0.7% NIST Trace	əablə 01/11/2014
OXYGE	N	11.00 %	11.24 %	G1	+/- 0.4% NIST Trace	eable 01/13/2014
NITROG	EN	Balance				
	E. C. G.E. Stati		CALIBRATION S	TANDARDS		
Туре	Lot ID	Cylinder No	Concentration		Uncertainty	Expiration Date
NTRM	09061823	CC282594	24.35 PPM CARBON MONC	XIDE/NITROGEN	+/- 0.6%	May 24, 2019
NTRM	09060206	CC262089	9.961 % OXYGEN/NITROG	EN	+/- 0.3%	Nov 08, 2018
			ANALYTICAL EC	UIPMENT		
Instrum	nent/Make/Mod	et	Analytical Principle	Last M	ultipoint Calibratio	on
Nicolet 6	700 AMP090011	8 CO	FTIR	Dec 18,	2013	
SIEMENS OXYMAT 6 PARAMAGNE			PARAMAGNETIC	Dec 26,	2013	

Triad Data Available Upon Request Notes:

Approved for Release

an Air Lioukia company

P-412

Airgas Specialty Gases Airgas USA, LLC 525 North Industrial Loop Road Teoele, UT 84074 Airges.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: POVP Number: Gas Code:

E03NI94E15A4620 XC023397B 124 - Tooele (SAP) - UT 872020 CO,O2,BALN

Reference Number: 163-401854673-1 Cylinder Volume: Cylinder Pressure: 590 Valve Outlet: Certification Date:

144,8 CF 2015 PSIG Jul 22, 2020

Explration Date: Jul 22, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Celebration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for eachilded interference. This cylinder has a total analytical uncertainty as eleted below with a confidence level of 95%. There are no significant impurities which affect the use of this celibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

		D	o Not Use This Cylinder below 100	psig, I.e. 0.7 megapas	cale.	الجريبية الثلاثية ومحمد التي	
Compon	ient	Requested Concentration	ANALYTICAL Actual Concentration	RESULTS Protocal Method	Total Relative Uncertainty	Aəsay Dates	
CARBON MONOXIDE 1 OXYGEN 5. NITROGEN B		12.50 PPM 5.500 % Balance	12.67 PPM 5.504 %	G1 G1	+/- 0.7% NIST Traceable +/- 0.5% NIST Traceable	07/22/2020 07/21/2020	
Type NTRM NTRM	Lot ID 08011130 11060717	Cylinder No KAL004049 CC338451	CALIBRATION S Concentration 9.855 PPM CARBON MON 4.861 % OXYGEN/NITROG	TANDARDS OXIDE/NITROGEN DEN	Uncertainty 0.5% 0.4%	Expiration Date Jun 05, 2024 Dec 13, 2022	
instrum Thermo 4 Hariba Mi	ent/Make/Mode 81-TLE 11636400 24-510 1/2003000	91 91 GO 58 G2	ANALYTICAL BA Analyticel Principle CO NDIR (Mason)	QUIPMENT	Last Multipoint Calib Jun 22, 2020	ration	

Triad Data Available Upon Request



Approved for Release

Page 1 of 153-401854673-1



Part Number:
Cylinder Number
Laboratory:
PGVP Number:
Gas Code:

Airgas Specialty Gases

Los Angeles, CA 90059 (323) 568-2208 Fax: (323) 567-3686

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	Expiration Date:	Jan 13, 2022	
le:	CO,O2,BALN	Certification Date:	Jan 13, 2014
umber:	B32014	Valve Outlet:	590
ory:	ASG - Los Angeles - CA	Cylinder Pressure:	2015 PSIG
Number:	CC144473	Cylinder Volume:	145.3 CF
nber:	E03NI88E15A00K8	Reference Number:	48-124413235-1

Certification performed in accordance with 'EPA Traceablility Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not Use This Cylinder below 100 osig. i.e. 0.7 megaoascals.

ANALYTICAL RESULTS							
Component Requeste Concentra		Requested Concentrat	Actual ion Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates	
CARBON MONOXIDE 27.50 PPM		27.50 PPM	27.23 PPM	G1	+/-0,7% NIST Trace	eable 01/11/2014	
OXYGEN 11.00 %		11.00 %	11.24 %	Gi	+/-0.4% NIST Trace	eable 01/13/2014	
NITROGE	IN	Balance					
	Nation Ma <u>na</u> tan		CALIBRATION S	TANDARDS	, Grand Arthur (1997)		
Туре	Lot ID	Cylinder No	Concentration	_	Uncertainty	Expiration Date	
NTRM	09061823	CC282594	24.35 PPM CARBON MONO	XIDE/NITROGEN	+/ 0.6%	May 24, 2019	
NTRM	09060206	CC262089	9.961 % OXYGEN/NITROG	EN	+/- 0.3%	Nov 08, 2018	
			ANALYTICAL EC	QUIPMENT			
Instrument/Make/Model		el	Analytical Principle Last M		at Multipoint Calibration		
Nicolet 6700 AMP0900118 CO			FTIR	Dec 18,	2013		
SIEMENS OXYMAT 6			PARAMAGNETIC	Dec 26,	2013		

Triad Data Available Upon Request Notes:

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P- 360

Airgas Specialty Gases Airgas USA, LLC 11711 S. Alameda Street Los Angeles, CA 90059 Airgas.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code: E02NI99E15AC008 CC232303 124 - Los Angeles (SAP) - CA B32018 NO.NOX.BALN

008Reference Number:48-401210851-1ACylinder Volume:144.3 CFes (SAP) - CACylinder Pressure:2015 PSIGValve Outlet:660Certification Date:Jun 26, 2018Expiration Date:Jun 26, 2021

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)' document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interfarence. This cylinder has a total analytical uncertainly as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

			DO NOL OSB TILS CY	ider delow Too paig, I.	a, o, racgapas		
			ANAL	YTICAL RES	ULTS		
Component		quested ncentration	Actual Concentration	Protocol Method	Total R Uncerta	elative linty	Assay Dat e s
NOX	2.5	00 PPM	2.467 PPM	G1	+/- 1.0%	NISTTraceable	06/19/2018, 06/26/2018
NITRIC O	XIDE 2.5	00 PPM	2.452 PPM	G1	+/- 1.0%	NISTTraceable	06/19/2018, 06/26/2018
NITROGE	N Bal	ance					
			CALIRR	TION STAN	DARDS		
Туре	Lot ID	Cylinder	No Concer	itralion	D/1000	Uncertainty	Expiration Date
NTRM	16060747	CC4650	90 10.08 PF	M NITRIC OXIDE/N	ITROGEN	+/- 1.0%	Jun 28, 2018
NTRM	15061008	CC4426	34 18,12 PF	M NITRIC OXIDE/N	ITROGEN	+/- 0.7%	Nov 11, 2018
NTRM	16060747	CC4650	90-NOx 10.08 PF	M NOX/NITROGEN		+/- 1.0%	Jun 28, 2018
NTRM	15061008	CC4426	34-NOx 18.13 PF	M NOX/NITROGEN		+/- 0.7%	Nov 11, 2018
			ANALY	ICAL EQUIE	MENT		
Instrume	ont/Make/Moc	lel	Analytica	I Principle		Last Multipoint Ca	ibration
Thermo 42	2-iLS 11158484	21 NO	Chemilumir	escence		Jun 26, 2018	
Thermo 42	2-iLS 11158484	21 NOx	Chemilumir	escence		Jun 26, 2018	

Triad Data Available Upon Request



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P-400

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code:

E02NI99E15AC007 CC496638 124 - Tooele (SAP) - UT B72020 NO,NOX,BALN

Reference Number: 153-401765379-1 144.3 CF Cylinder Volume: Cylinder Pressure: 2015 PSIG Valve Outlet: 660 Certification Date: Mar 31, 2020

Expiration Date: Mar 31, 2023

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do NOT USE This Cylinder Derow 100 psig, 1.6. 0.7 megapacels.											
	ANALYTICAL RESULTS										
Component	ł	Requested Concentration	Actual Concentration	Protocol Method	Total Relati Uncertainty	Ve	Assay Dates				
NOX	and an an and a second	5.500 PPM	5.588 PPM	G1	+/- 1,2% NIST	Traceable	03/24/2020, 03/31/2020				
NITRIC OXIDE	E	5.500 PPM	6.547 PPM	G1	+/- 1.1% NIST	Traceable	03/24/2020, 03/31/2020				
NITROGEN		Balance									
CALIBRATION STANDARDS											
Туре	LotID	Cylinder No	Conce	ntration		Uncertainty	Expiration Date				
NTRM	0801212	26 KAL00429	1 5.08 PP	M NITRIC OXIDE/N	ITROGEN	1.0%	Jul 05, 2021				
NTRM	080121	26 KAL00429	1-NOX <u>6.08 P</u> P	M NOx/NITROGEN		1.0%	Jul 05, 2021				
	ANALYTICAL EOUIPMENT										
Instrument/	Make/N	Nodel	Analytical F	rinciple	La	ast Multipoint (Calibration				
Thermo 42I-LS	S 11237	49327 NO	Chemilumines	scence (Mason)	М	ar 16, 2020	1				
Thermo 42i-LS	S 11237	49327 NOx	Chemilumine	scence (Mason)	М	ar 16, 2020					

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P-412

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number; Laboratory: PGVP Number: Gas Code:

E03NI94E15A4620 XC023397B 124 - Tooele (SAP) - UT B72020 CO,O2, BALN

Reference Number: 153-401854673-1 Cylinder Volume: Cylinder Pressure: Valve Outlet: 590 Certification Date:

144.8 CF 2015 PSIG Jui 22, 2020

Expiration Date: Jul 22, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Celibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for easitical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this celibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

		D	Not Use This Cylinder below 100	paig, i.e. 0.7 megapas	cale.			
Component R C		Requested Concentration	ANALYTICAL RESULTS Requested Actual Protocol Total Relative Concentration Concentration Method Uncertainty					
CARBONMONOXIDE OXYGEN NITROGEN		12.50 PPM 5.500 % Balance	12.50 PPM 12.57 PPM G1 5.500 % 5.504 % G1 Balance		+/- 0.7% NIST Traceable +/- 0.5% NIST Traceable	07/22/2020 07/21/2020		
Type NTRM NTRM	Lot ID 08011130 11060717	Cylinder No Kal004049 CC338451	CALIBRATION S Concentration 9.855 PPM CARBON MON 4.861 % OXYGEN/NITROD	TANDARDS	Uncertainty 0.6% 0.4%	Expiration Date Jun 05, 2024 Dec 13, 2022		
Instrum Thermo 4 Horibs Ma	an t/Make/Mode 8I-TLE 11636400 PA-510 W603MM	si 31 CO 58 O2	ANALYTICAL, EA Analytical Principle CO NDIR (Mason) O2 Paramagnelic (Mason	QUIPMENT	Last Multipoint Calib Jun 22, 2020 Jul 16, 2020	ration		

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Page 1 of 153-401854673-1

P-411 Airgas. **Airgas Specialty Gases** 625 North Industrial Loop Road **CERTIFICATE OF ANALYSIS** Toosle, UT 84074 435-241-5662 Fax: 435-241-5664 Grade of Product: EPA Protocol Airgas.com E02NI86E15A0488 Part Number: Reference Number; 153-124586763-1 Cylinder Number: CC420414 Cylinder Volume: 145.6 CF Laboratory: 124 - Tooele - UT Cylinder Pressure: 2015 PSIG PGVP Number: B72016 Valve Outlet: 590 Gas Code: O2 BALN Certification Date: Nov.07, 2016 Expiration Date: Nov 07, 2024 Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Celibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which attect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted. Do Not Use This Cylinder below 100 psig. I.e. 0.7 megapascals ANALYTICAL RESULTS --- Protosol Component Requested ~Actual Total Relative Assay Concentration Dates Concentration Method Uncertainty OXYGEN 13,75 % +/- 0.7% NIST Traceable 11/07/2016 13.75 % <u>G1</u> NITROGEN Balance CALIBRATION STANDARDS Expiration Date Type Lot D Cylinder-No Concentration Uncertainty NTRM 98051014 SG9162888BAL 12.05 % OXYGEN/NITROGEN - Dec 02, 2017 0.7% • . ANALYTICAL EQUIPMENT Analytical Principle **Last Multipoint Calibration** instrument/Make/Model O2 Paismagnetic (Dixon) Oct 27, 2016 Horiba MPA 51D X9A4UGL8 O2

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Page 1 of 153-124586763-1



Airgas USA, LLC ----525 North Industrial Loop Road Tooelc, UT 84074 Airgas.com Priakte DAug Cose

44-0003

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code:

E02NI78E15A0124 SG9168205BAL 124 - Topele (SAP) - UT B72019 O2, BALN

Reference Number: 153-401689188-1 Cylinder Volume: Cylinder Pressure: 2015 PSIG Valve Outlet: 5**9**0 Certification Date: Expiration Date: Dec 26, 2027

146.3 CF Dec 26, 2019

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

		Đo	o Not Use This Cylinder be	low 100 psig, i.e. 0.7 me	gapascals.	
			ANALYTI	CAL RESULTS	1	
Component	Requested Concentration		Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
OXYGEN NITROGEN	22.00 % Balance		21.97 %	GI	+/- 0.5% NIST Traceable	12/26/2019
			CALIBRATIC	ON STANDAR	DS	
Туре	Lot ID	Cylinder No	Concentrat	ion	Uncertainty	Expiration Date
NTRM	12062019	CC367606	22.883 % OX	YGEN/NITROGEN	0.050%	May 14, 2024
			ANALYTICA	L EQUIPMEN	T	
Instrument/	Make/Model		Analytical Print	siple	Last Multipoint Cal	ibration
Horiba MPA-5	10 W603MM58 02		O2 Paramagnetic	(Mason)	Nov 27, 2019	

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P-408

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Expiration Date:

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code:

E02NI99E15A0147 CC210058 124 - Tooele (SAP) - UT B72018 NO,NOX,BALN

Reference Number: 153-401364273-1 Cylinder Volume: Cylinder Pressure: Valve Outlet; 660 Certification Date: Dec 10, 2026

144.3 CF 2015 PS(G Dec 10, 2018

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 800/R-12/531. using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not Lise This Cullader below 100 pain Lo. 6.7 measures

يوجين الكفني ها هاناه	ANALYTICAL RESULTS									
Compor	nent -	Requested Concentration	Adtual Concentration	Protocol Method	Total Relati Uncertainty	/ c	Assay. Datee			
NOX 50.00 PPM NITRIC OXIDE 50.00 PPM		50.74 PPM 60.49 PPM	G1 G1	+/- 1.2% NIST Traceable +/- 1.1% NIST Traceable		12/03/2018, 12/10/2018 12/03/2018, 12/10/2018				
NITROGE	EN	Balance								
	CALIBRATION STANDARDS									
Туре	Lot ID	Cylinder	lo Concentrat	lon		Uncertainty	Expiration Date			
NTRM	1201071	5 KAL0043	42 50.03 PPM N	ITRIC OXIDE/NITR	OGEN	0.8%	Mar 12, 2024			
PRM	12376	D562876	10.01 PPM N	ITROGEN DIOXIDE	E/NITROGEN	2.0%	Aug 17, 2018			
GMIS	7301017	'103 CC5065	97 4.451 PPM N	ITROGEN DIOXIDE	E/NITROGEN	2.0%	Dec 18, 2020			
The SRM,	PRM or RGM	noted above is only in ref	erence to the GMIS used in	n the assay and not pa	rt of the analysis,					
			ANALWI	TOAT POIN	איניאיד					
lunda	an bill a lea fi	المحمادا		Alas Divisional Alas	TATESTA I	at Multinalist C	allbration			
Instrum	enowiake/	VIOCOI	Analy	Analytical Principle		Last wumpoint campration				
Nicolet 8	700 AMP090	0119 NO LNO	FTIR	FTIR		ov 21, 2018				
Nicolet 6	700 AMP090	0119 NO2 impurity	FTIRM	102 impurity	N	ov 21, 2018	-			

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P-354

Airgas Specialty Gases Airgas USA, LLC 525 North Industrial Loop Road Tooele, UT 84074 Airgas.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code:

E02NI99E15A0093 CC99609 124 - Tooele (SAP) - UT B72018 NO,NOX,BALN

Reference Number: 153-401210852-1 Cylinder Volume: Cylinder Pressure: Valve Outlet: 660 Certification Date: Expiration Date: Jun 05, 2026

144.3 CF 2015 PSIG Jun 05, 2018

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as stated below with a confidence lavel of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

	Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascala.	
_		
	ANTAL VITCAT DESITI TO	

			ANAI	YTICAL RES	ULTS		
Compo	nent	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty		Assay Dates
NOX		110.0 PPM	109.3 PPM	G1	+/- 1.1% NIST Tr	aceable	05/29/2018, 06/05/2018
NITRIC C	OXIDE	110.0 PPM	109.2 PPM	G 1	+/- 1.1% NIST Tr	aceable	05/29/2018, 06/05/2018
NITROG	EN	Balance					
		······	CALIBR	ATION STAN	DARDS		
Туре	Lot ID	Cylinder	No Concent	ration		Uncertainty	Expiration Date
NTRM	130104	13 KAL004	013 97.6 PPM	NITRIC OXIDE/NITR	OGEN	0.8%	May 09, 2019
PRM	12367	APEX10	99237 9.82 PPM	NITROGEN DIOXIDI	E/NITROGEN	1.8%	May 29, 2016
GMIS	111420	1604 CC5075	67 4.955 PPI	I NITROGEN DIOXIE	DE/NITROGEN	2.0%	Nov 14, 2019
The SRM,	PRM or RGN	I noted above is only in re	eference to the GMIS used	I in the assay and not pa	rt of the analysis.		
		····	ANALY	TICAL EQUIF	MENT		
Instrum	ent/Make	/Model	Ana	lytical Principle	Last	: Multipoint Ca	allbration
Nicolet 6	700 AHR08	01550 NO LNO	FTIR		May	31,2018	
Nicolet 6	700 AHR08	01550 NO2 Impurity	FTIR	NO2 impurity	May	31,2018	

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P-40

Airgas USA, LLC 525 North Industrial Loop Road Toocle, UT 84074 Airgas.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: Laboratory: PGVP Number: Gas Code: E03NI99E15A4284 EB0095955 124 - Tooele (SAP) - UT B72020 CO,NO,NOX,BALN

284Reference Number:153-401810093-1Cylinder Volume:144.4 CFAP) - UTCylinder Pressure:2015 PSIGValve Outlet:660NLNCertification Date:May 26, 2020Expiration Date:May 26, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

	ou hat oue this cylinitical below too baily, he out integrateries									
Component Requested Concentration		ANALYTICAL RESULTS Actual Protocol Total Concentration Method Unce		TS Total Relative Uncertainty	Assay Dates					
NOX		180 0 PPM	180 8 0014	01	AL 0.604 MIST Transable	05//8/2020 05/26/2020				
CARBON			45 85 DDM	G1	1. 07% MICT Traceable	05/18/2020				
NITRIC (1900 0000		01	1 06% NIST Traceable	05/10/20/20				
NITROG		Belence	100.0 6 7 10	91	4/* 0.070 NGT 118068DIE	00/10/2020, 00/20/2020				
111100		Dalarice								
	CALIBRATION STANDARDS									
Туре	Lot ID	Cylinder No	Concentration		Uncertain	y Expiration Date				
NTRM	12011236	KAL004576	49.24 PPM CARBO	N MONOXIDE/N	ITROGEN 0.6%	Aug 31, 2024				
PRM	12376	D562879	10.01 PPM NITROC	SEN DIOXIDE/NI	TROGEN 2.0%	Aug 17, 2018				
NTRM	18060136	KAL004861	249.9 PPM NITRIC	OXIDE/NITROG	EN 0.4%	Nov 08, 2023				
GMIS	7302017111	CC511391	4.634 PPM NITROC	BEN DIOXIDE/NI	TROGEN 2.0%	Aug 15, 2021				
The SRM,	PRM or RGM noted	above is only in reference	to the GMIS used in the a	ssay and not part of	the analysis.	•				
						البصابيد وتنبد لنصلوه ومحربك				
			ANALYTICA	L EQUIPM	ENT					
Instrum	ent/Make/Mod	əl	Analytical	Principle	Last Multipoir	t Calibration				
Nicolet 6	700 AHR0801550	COLCO	FTIR		May 06, 2020					
Nicolet 6	700 AHR0801550	NO MNO	FTIR		May 20, 2020					
Nicolet 6	700 AHR0801550	NO2 impurity	FTIR NO2 in	npurity	May 20, 2020					

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P-408

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number: Cylinder Number: 'Laboratory: PGVP Number: Gas Code:

E02NI99E15A0147 CC210058 124 - Tooele (SAP) - UT B72018 NO,NOX,BALN

Reference Number: 153-401364273-1 Cylinder Volume: 144.3 CF Cylinder Pressure: Valve Outlet: 660 Certification Date: Expiration Date: Dec 10, 2026

2015 PSIG Dec 10, 2018

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/S31; using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty at steled below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

			Do Not Use This Cylin	der below 100 psig, i.e.	0.7 megapascals						
	ANALYTICAL RESULTS										
-Compon	ent	Requested Concentration	Actual Concentration	Protocol Method	Total Relativo Uncertainty		Assay. Dates				
NOX		50.00 PPM	50.74 PPM	G1	+/- 1,2% NIST Tra	ceable	12/03/2018, 12/10/2018				
NITRIC O	XIDE	50.00 PPM	50.49 PPM	G1	+/- 1.1% NIST Tre	ceable	12/03/2018, 12/10/2018				
NITROGE	N	Balance									
<u></u>			CALIBRA	TION STAND	DADDS						
Туре	LotiD	Cylinder	No Concentrat	lon		Incertainty	Expiration Date				
NTRM	1201071	5 KAL004:	342 60.03 PPM N	ITRIC OXIDE/NITRO	DGEN 0	.8%	Mar 12, 2024				
PRM	12376	D562879	10.01 PPM N	ITROGEN DIOXIDE	/NITROGEN 2	.0%	Aug 17, 2018				
GMIS	7301017	103 CC5065	97 4.451 PPM N	ITROGEN DIOXIDE	/NITROGEN 2	.0%	Dec 18, 2020				
The SRM.	PRM or RGM	noted above is only in ref	erence to the GMIS used in	the assay and not par	t of the analysis.						
			ANALYI	'ICAL EQUIP	MENT						
Instrum	ent/Make/i	Viodel	Analy	tical Principle	Last	Multipoint C	alibration				
Nicole167	00 AMP090	0119 NOLNO	FTIR		Nov 2	1,2018					
Nicolet67	00 AMP090	0119 NO2 impurity	FTIRM	IO2 impurity	Nov 2	1, 2018					

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P-354

Airgas Specialty Gases Airgas USA, LLC 525 North Industrial Loop Road Tooele, UT 84074 Airgas.com

CERTIFICATE OF ANALYSIS Grade of Product: EPA Protocol

Part Number:
Cylinder Number:
Laboratory:
PGVP Number:
Gas Code:

E02NI99E15A0093 CC99609 124 - Tooele (SAP) - UT B72018 NO,NOX,BALN

Reference Number: 153-401210852-1 Cylinder Volume: Cylinder Pressure: Valve Outlet: 660 Certification Date: Expiration Date: Jun 05, 2026

144.3 CF 2015 PSIG Jun 05, 2018

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gassous Calibration Standards (May 2012)" document EPA 600/R-12/53 1, using the assay procedures listed. Analytical Methodology does not require correction for analytical Interference. This cylinder has a total analytical uncertainty as staled below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a volume/volume basis unless otherwise noted.

Do Not osa Tinis Cylinfoer Delow Tou psig, i.e. 0.7 megapascais.										
	ANALYTICAL RESULTS									
Component		equested oncentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	•	Assay Dates			
NOX	11	0.0 PPM	109.3 PPM	G1	+/- 1.1% NIST T	raceable	05/29/2018, 06/05/2018			
NITRIC O	XIDE 11	0.0 PPM	109.2 PPM	G1	+/- 1.1% NIST T	raceable	05/29/2018, 06/05/2018			
NITROGE	N Ba	lance	water all the second second		a and a second second second					
CALIBRATION STANDARDS										
Туре	Lot ID	Cylinder N	o Concentra	ition		Uncertainty	Expiration Date			
NTRM	13010413	KAL00401	3 97.6 PPM N	ITRIC OXIDE/NITR	OGEN	0.8%	May 09, 2019			
PRM	12367	APEX109	9237 9.82 PPM N	ITROGEN DIOXIDI	E/NITROGEN	1.6%	May 29, 2016			
GMIS	111420160	4 CC507567	4.955 PPM	NITROGEN DIOXIE	E/NITROGEN	2.0%	Nov 14, 2019			
The SRM, P	RM or RGM not	led above is only in refe	erence to the GMIS used in	the assay and not pa	rt of the analysis.	and the second				
		<u></u>	4 N7 4 Y X7T		N / 12 1 17 10		· · · · · · · · · · · · · · · · · · ·			
			ANALYI	ICAL EQUIP	IVIEIN I	_				
Instrume	ent/Make/Mo	del	Analy	tical Principle	Las	t Multipoint Ca	alibration			
Nicolet 67	00 AHR08015	50 NO LNO	FTIR		May	31, 2018				
Nicolet 67	00 AHR08015	50 NO2 impurity	FTIR N	O2 impurity	May	31, 2018				

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APPENDIX6

RELATIVE ACCURACY TEST AUDIT REPORT SUMMARY

(Complete RATA Report submitted under separate cover on August 5, 2021)

RELATIVE ACCURACY TEST AUDIT DETERMINATION Calpine Gilroy Energy Center, LLC for King City LM6000											
Test No. Date Start Time	Run 1 6/14/21 0750-0834	Run 2 6/14/21 0855-0925	Run 3 6/14/21 0953-1023	Run 4 6/14/21 1034-1055	Run 5 6/14/21 1102-1123	Run 6 6/14/21 1143-1204	Run 7 6/14/21 1211-1232	Run 8 6/14/21 1239-1300	Run 9 6/14/21 1308-1329	Run 10 6/14/21 1338–1359	Average Runs 1-10
Reference temperature, °F	68	68	68	68	68	68	68	68	68	68	68
Part 75 Load, MW GT turbine gross load, MW Fuel heat content, Btu/scf CT fuel flow rate, scfh CT heat input, MMBtu/hr DB fuel flow rate, scfh DB heat input, MMBtu/hr Total fuel flow rate, scfh Total heat input rate, MMBtu/hr Steam injection rate, lb/hr Ammonia injection rate, lb/hr Fuel SO ₂₅ gr/100 scf "F _d " factor @ 68 °F, dscf/MMBtu HHV @ 60 °F, btu/scf Stack flow rate - based on fuel, dscfm	N/A 45.9 1,013 441,681 453.2 N/A N/A 441,681 453.2 N/A 78.2 0.1321 8,646 441,681 306,250	N/A 45.8 1,013 441,449 452.9 N/A N/A 441,449 452.9 N/A 78.7 0.1321 8,646 441,449 304,016	N/A 45.7 1,013 440,706 452.2 N/A N/A 440,706 452.2 N/A 79.8 0.1321 8,646 440,706 292,925	N/A 45.7 1,013 440,757 452.2 N/A N/A 440,757 452.2 N/A 80.3 0.1321 8,646 440,757 292,959	N/A 45.7 1,013 440,574 452.0 N/A 440,574 452.0 N/A 80.3 0.1321 8,646 440,574 293,476	N/A 45.6 1,013 439,359 450.8 N/A N/A 439,359 450.8 N/A 78.3 0.1321 8,646 439,359 292,667	N/A 45.6 1,013 438,697 450.1 N/A 438,697 450.1 N/A 76.3 0.1321 8,646 438,697 295,451	N/A 45.6 1,013 439,110 450.5 N/A N/A 439,110 450.5 N/A 77.8 0.1321 8,646 439,110 292,501	N/A 45.7 1,013 438,685 450.1 N/A N/A 438,685 450.1 N/A 78.2 0.1321 8,646 438,685 290,948	N/A 45.7 1,013 438,459 449.9 N/A N/A 438,459 449.9 N/A 79.5 0,1321 8,646 438,459 288,913	N/A 45.7 1,013 439,948 451.4 #DIV/0! 439,948 451.4 #DIV/0! 78.7 0.1321 8,646 439,948 295,011
O ₂ , % volume dry	16.50	16.47	16.31	16.31	16.32	16.32	16.37	16.32	16.30	16.27	16.35
CO ₂ , % volume dry CO, ppm volume dry CO, ppm dry @ 15% O ₂ CO, lb/hr CO, lb/day (24 hours) NO _X , ppm volume dry NO _X , ppm dry @ 15% O ₂ NO ₂ , lb/hr as NO ₂	2.470 0.925 1.240 1.24 29.652 1.823 2.444 4.00	2.478 0.757 1.008 1.00 24.089 2.009 2.676 4.38	2.577 0.741 0.952 0.95 22.720 1.925 2.474 4 04	2.580 0.712 0.915 0.91 21.833 1.974 2.537 4.14	2.584 0.709 0.913 0.91 21.780 2.023 2.606 4.25	2.544 0.666 0.858 0.85 20.402 1.915 2.467 4.02	2.546 0.642 0.836 0.83 19.854 2.031 2.645 4 30	2.577 0.637 0.821 0.81 19.503 1.968 2.535 4.12	2.599 0.606 0.777 0.77 18.455 1.993 2.556 4.15	2.611 0.640 0.816 0.81 19.354 1.970 2.510	2.557 0.704 0.914 0.91 21.76 1.963 2.545
NO _x , lb/day (24 hours) as NO ₂ NO _x , lb/MMBtu as NO ₂	96 0.0089	105 0.0098	97 0.0090	99 0.0093	102 0.0095	96 0.0090	103 0.0097	99 0.0093	4.15 100 0.0093	4.08 98 0.0092	4.15 100 0.01

	RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 60, APPENDIX B, PS 3 Calpine Gilroy Energy Center, LLC for King City LM6000 O ₂ , % volume dry								
<u>Run #</u>	<u>Date</u>	<u> </u>	<u>RM</u>	<u>CEMS</u>	<u>Difference</u>	<u>n</u>	t _{0,975}		
Run 1	6/14/21	0750-0834	16.50	16.35	0.15	1	100.00		
Run 2	6/14/21	0855-0925	16.47	16.26	0.21	2	12.706		
Run 3	6/14/21	0953-1023	16.31	16.13	0.18	3	4.303		
Run 4	6/14/21	1034-1055	16.31	16.11	0.20	4	3.182		
Run 5	6/14/21	1102-1123	16.32	16.09	0.23	5	2.776		
Run 6	6/14/21	1143-1204	16.32	16,12	0.20	б	2.571		
Run 7	6/14/21	1211-1232	16.37	16.14	0.23	7	2.447		
Run 8	6/14/21	1239-1300	16.32	16.09	0.23	8	2.365		
Run 9	6/14/21	1308-1329	16.30	16.05	0.25	9	2.306		
Run 10	6/14/21	1338-1359	16.27	16.05	0.22	10	2.262		
AVERAC	GES:		16.35	16.15	0.21				
STANDARD DEVIATION:0.027CONFIDENCE COEFFICIENT:0.021						<u>Criteria</u>	<u>Result</u>		
RELATI	VE ACCURAC	Y (BASED ON A	BSOLUTE D	(FF ERENCE)	,%:	<u>≤1</u>	0.2		

Note: The relative accuracy (RA) of the CEMS must be no greater than 1.0 percent O_2 .

RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 75, APPENDIX A Calpine Gilroy Energy Center, LLC for King City LM6000

O ₂ , % volume dry							
<u>Run #</u>	Date	Time	<u>RM</u>	<u>CEMS</u>	Difference	<u>n</u>	t _{0.975}
Run 1	6/14/21	0750-0834	16.50	16.35	0.15	1	100.00
Run 2	6/14/21	0855-0925	16.47	16.26	0.21	2	12.706
Run 3	6/14/21	0953-10 2 3	16.31	16.13	0.18	3	4.303
Run 4	6/14/21	1034-1055	16.31	16.11	0.20	4	3.182
Run 5	6/14/21	1102-1123	16.32	16.09	0.23	5	2.776
Run 6	6/14/21	1143-1204	16.32	16.12	0.20	6	2.571
Run 7	6/14/21	1211-1232	16.37	16.14	0.23	7	2.447
Run 8	6/14/21	1239-1300	16.32	16.09	0.23	8	2.365
Run 9	6/14/2 1	1308-1329	16.30	16.05	0.25	9	2.306
Run 10	6/14/21	1338-1359	16. 2 7	16.05	0.22	10	2.262
AVERAGES: 16.15 0					0.21		
STANDARD DEVIATION:0.02CONFIDENCE COEFFICIENT:0.02					0.027 0.021	<u>Criteria</u>	<u>Result</u>
RELATIV	E ACCURAC	:	<u>≤</u> 10	1.4			

Note: The relative accuracy (RA) of the CEMS shall not exceed 10.0 percent. The relative accuracy test results are also acceptable if the difference between the mean value of the CEMS O2 monitor measurements and the corresponding reference method (RM) measurement mean value does not exceed 1.0 percent O2.

	RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 60, APPENDIX B, PS 4/4A Calpine Gilroy Energy Center, LLC for King City LM6000 CO, ppm @ 15% O ₂							
<u>Run #</u>	Date	<u>Time</u>	<u>RM</u>	<u>CEMS</u>	Difference	<u>n</u>	t _{0.975}	
Run-1	6/14/21	0750-083 4	1.24	0.47	0.77	1	100.00	
Run 2	6/14/21	0855-0925	1.01	0.46	0.55	2	12.706	
Run 3	6/14/21	0953-1023	0.95	0.37	0.58	3	4.303	
Run 4	6/14/21	1034-1055	0.92	0,37	0.55	4	3.182	
Run 5	6/14/21	1102-1123	0.91	0.34	0.57	5	2.776	
Run 6	6/14/21	1143-1204	0.86	0.31	0.55	6	2.571	
Run 7	6/14/21	1211-1232	0.84	0.24	0.60	7	2.447	
Run 8	6/14/21	1239-1300	0.82	0.26	0.56	8	2.365	
Run 9	6/14/21	1308-1329	0.78	0.23	0.55	9	2.306	
Run 10	6/14/21	1338-1359	0.82	0.28	0.54	10	2.262	
AVERAGES: 0.88 0.32					0.56			
STANDARD DEVIATION: CONFIDENCE COEFFICIENT:				0.020 0.016	<u>Criteria</u>	<u>Result</u>		
RELATIVE ACCURACY (BASED ON DIFFERENCE), PPM:				<u>- 4A only -</u>	5	0.6		

Note: Performance Specification (PS) 4 is to be used on sources operating <u>above</u> 200 ppm analyzer span and PS 4A on sources operating <u>below</u> 200 ppm analyzer span. The relative accuracy (RA) of the CEMS must be no greater than 10 percent when the average reference method (RM) value is used to calculate RA, 5 percent when the applicable standard (AS) is used to calculate RA, or within 5 ppm (to be used with PS 4A only) when the RA is calculated as the absolute average difference between the RM and CEMS plus the 2.5 percent confidence coefficient.

	RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 60, APPENDIX B, PS 4(A) Calpine Gilroy Energy Center, LLC for King City LM6000								
			CO , ll)/hr 					
<u>Run #</u>	Date	<u>Time</u>	<u>RM</u>	<u>CEMS</u>	<u>Difference</u>	<u>n</u>	t _{0.975}		
Run 1	6/14/21	0750-083 4	1.2 4	0.48	0.76	I	100.00		
Run 2	6/14/21	0855-0925	1.00	0.46	0.54	2	12.706		
Run 3	6/14/21	0953-1023	0.95	0.37	0.58	3	4.303		
Run 4	6/14/21	1034-1055	0.91	0.39	0.52	4	3.182		
Run 5	6/14/21	1102-1123	0.91	0.36	0.55	5	2.776		
Run 6	6/14/21	1143-1204	0.85	0.32	0.53	6	2.571		
Run 7	6/14/21	1211-1232	0.83	0.24	0.59	7	2,447		
Run 8	6/14/21	1239-1300	0.81	0.26	0.55	8	2.365		
Run 9	6/14/21	1308-1329	0.77	0.23	0.54	9	2.306		
Run 10	6/14/21	1338-1359	0.81	0.28	0.53	10	2.262		
AVERA	AGES:		0.87	0.32	0.55				
STANDARD DEVIATION: CONFIDENCE COEFFICIENT;				0.023 0.017	<u>Criteria</u>	<u>Result</u>			
RELA	RELATIVE ACCURACY (BASED ON DIFFERENCE), LB/HR:					<u>≤</u> 6.41	0.6		

Note: Performance Specification (PS) 4 is to be used on sources operating <u>above</u> 200 ppm analyzer span and PS 4A on sources operating <u>below</u> 200 ppm analyzer span. The relative accuracy (RA) of the CEMS must be no greater than 20 percent when the average reference method (RM) value is used to calculate RA, 5 percent when the applicable standard (AS) is used to calculate RA, or within 5 ppm (to be used with PS 4A only) when the RA is calculated as the absolute average difference between the RM and CEMS plus the 2.5 percent confidence coefficient.

	RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 60, APPENDIX B, PS 2 Calpine Gilroy Energy Center, LLC for King City LM6000							
			NO _X , ppm	@ 15% O ₂				
<u>Run #</u>	Date	Time	RM	CEMS	Difference	<u>n</u>	t _{0.975}	
Run 1	<u>6/14/21</u>	0750-083 4	2,44	2.85	- 0.41	1	100.00	
Run 2	6/14/ 2 1	0855-0925	2.68	2.79	-0.11	2	12.706	
Run 3	6/14/21	0953-1023	2.47	2.72	-0.25	3	4.303	
Run 4	6/14/21	1034-1055	2.54	2.71	-0.17	4	3.182	
Run 5	6/14/21	1102-1123	2.61	2.70	-0.09	5	2.776	
Run 6	6/14/21	1143-1204	2.47	2.69	-0.22	6	2.571	
Run 7	6/14/21	1211-1232	2.65	2.74	-0.09	7	2.447	
Run 8	6/14/21	1239-1300	2.54	2.69	-0.15	8	2.365	
Run 9	6/14/21	1308-1329	2.56	2.68	-0.12	9	2.306	
Run 10	6/14/21	1338-1359	2.51	2.68	-0.17	10	2.262	
AVERAGI			2.56	2.71	-0.15	> 50% of	f limit,	
EMISSION LIMIT:				5.0	<u>must use RN</u>	<u> 1 criteria</u>		
STANDAR CONFIDE	STANDARD DEVIATION: CONFIDENCE COEFFICIENT:					<u>Criteria</u>	<u>Result</u>	
RELATIVE ACCURACY (BASED ON REFERENCE METHOD), %:					Ţ	≤20	7.7	

Note: The relative accuracy (RA) of the CEMS must be no greater than 20 percent when the reference method (RM) is used in the denominator of Equation 2-6 (the average emissions during the test are greater than 50 percent of the emission standard) or 10 percent when the applicable standard (AS) is used in the denominator of Equation 2-6 (the average emissions during the test are less than 50 percent of the emission standard).

RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 60, APPENDIX B, PS 2 / 6 Calpine Gilroy Energy Center, LLC for King City LM6000

NO _X , lb/hr							
<u>Run #</u>	Date	Time	<u>RM</u>	CEMS	Difference	<u>n</u>	t _{8.975}
Run 1	6/14/21	0750-083 4	4.00	4.75	-0.75	1	100.00
Run 2	6/14/21	0855-0925	4.38	4.65	-0.27	2	12.706
Run 3	6/14/21	0953-1023	4.04	4.53	-0 .49	3	4.303
Run 4	6/14/21	1034-1055	4.14	4.51	-0.37	4	3.182
Run 5	6/14/21	1102-1123	4.25	4.49	-0.24	5	2.776
Run 6	6/14/21	1143-1204	4.02	4.45	-0.43	6	2.571
Run 7	6/14/21	1211-1232	4.30	4.54	-0.24	7	2,447
Run 8	6/14/21	1239-1300	4.12	4.46	-0.34	8	2.365
Run 9	6/14/21	1308-1329	4.15	4,43	-0.28	9	2,306
Run 10	6/14/21	1338-1359	4.08	4.43	-0.35	10	2.262
AVERAGES: 4.16 4.50 EMISSION LIMIT:				-0.33 8.7	< 50% oj <u>you must use</u>	^r limit, <u>AS criteria</u>	
STANDARD DEVIATION: CONFIDENCE COEFFICIENT:			0.087 0.067	<u>Criteria</u>	<u>Result</u>		
RELATIV	E ACCURAC		<u>≤10</u>	4.6			

Note: Since this unit incorporates the total equipment required for the determining and recording the pollutant mass emission rate (in terms of mass per unit of time), the unit is technically defined as a continuous emissions rate monitoring system (CERMS) and is subject to Performance Specification (PS) 6. The relative accuracy (RA) of the CERMS shall be no greater than 20 percent of the mean value of the reference method (RM) test data in terms of the units of the emission standard, or 10 percent of the applicable standard (AS), whichever is greater.

RELATIVE ACCURACY TEST AUDIT DETERMINATION EPA CFR 40, PART 75, APPENDIX A EDR TABLE Calpine Gilroy Energy Center, LLC for King City LM6000 NO _x , lb/MMBtu								
<u>Run #</u>	Date	<u>Time</u>	RM	CEMS	Difference	<u>n</u>	t _{0.975}	<u>MW</u>
Run I	6/14/21	0750-0834	0.009	0.01.1	-0-002	t	00.001	45.9
Run 2	6/14/21	0855-0925	0.010	0.010	0.000	2	12.706	45.8
Run 3	6/14/21	0953-1023	0.009	0.010	-0.001	3	4.303	45.7
Run 4	6/14/21	1034-1055	0.009	0.010	-0.001	4	3.182	45.7
Run 5	6/14/21	1102-1123	0.010	0.010	0.000	5	2,776	45.7
Run 6	6/14/21	1143-1204	0.009	0.010	-0.001	6	2,571	45.6
Run 7	6/14/21	1211-1232	0.010	0.010	0.000	7	2.447	45.6
Run 8	6/14/21	1239-1300	0.009	0.010	-0.001	8	2,365	45.6
Run 9	6/14/21	1308-1329	0.009	0.010	-0.001	9	2,306	45.7
Run 10	6/14/21	1338-1359	0.009	0.010	-0.001	10	2.262	45.7
AVERAGES: 0.009 0.010 BIAS ADJUSTMENT FACTOR: STANDARD DEVIATION:					-0.001 1 .000 0.001	> 50% of limit, 45 you may choose either the <u>RM</u> or the difference		45.7
CONFIDE	VCE COEFFIC	IENT:			0.000	<u></u>	Лезин	
RELATIV	E ACCURAC	Y (BASED ON Ib/N	MBtu DIFFE	RENCE), lb/MM	lBtu:	0.020	0.001	
UNIT LOA	AD, MW:					<u>N/A</u>	45.7	

Note: The relative accuracy (RA) of the CEMS must be no greater than 20 percent when the reference method (RM) is used in the denominator of Equation 2-6 (the average emissions during the test are greater than 50 percent of the emission standard) or 10 percent when the applicable standard (AS) is used in the denominator of Equation 2-6 (the average emissions during the test are less than 50 percent of the emission standard).

Attachment 3

2021 Annual Facility Emission Summary

Attachment 3 - Annual Fa	acility Emissions
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	2021				
	December				
Gilroy Energy Center 2021	1	2	3	4	Total
NOx Emissions	248.53	283	714	437	1,681.91
CO Emissions	46.64	31	40	24	141.08
PM-10 Emissions	56.55	101	274	128	559.37
VOC Emissions	27.01	40	138	62	267.27
SOx Emissions	7.08	13	36	16	72.42
NH3 Emissions	44.12	102	254	126	526.80
King City Cogen 2021	1	2	3	4	Total
NOx Emissions	2721.54	5,710	15,248	565	24,243.77
CO Emissions	721.34	1,465	2,978	171	5,335.86
PM-10 Emissions	189.47	346	996	36	1,566.83
VOC Emissions	25.03	45	132	4	206.99
SOx Emissions	12.99	23	69	2	107.99
NH3 Emissions	142.83	213	613	27	995.63
Total King City 2021	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total

I otal King City 2021	Quarter 1	Quarter 2	Quarter 3	Quarter 4	l otal
NOx Limit (lbs)	72,452	73,178	73,905	73,905	293,440
NOx Emissions	2,970	5,993	15,962	1,001	25,926
CO Limit (lbs)	58,445	59,095	59,744	59,744	237,028
CO Emissions	768	1,496	3,018	195	5,477
PM-10 Limit (lbs)	12,071	12,204	12,339	12,339	48,953
PM-10 Emissions	246	447	1,270	164	2,126
VOC Limit (lbs)	4,762	4,815	4,868	4,868	19,313
VOC Emissions	52	86	271	66	474
SOx Limit (lbs)	1,748	1,768	1,787	1,787	7,090
SOx Emissions	20	36	106	18	180
NH3 Emissions	187	315	867	153	1,522

Attachment 4

2021 Fire Marshall Inspection Record

CARMEL FIRE PROTECTION

INSPECTION RECORD

1. ADMINISTRATIVE INFORMATION Business Name

Address

Mailing Address

Telephone

Owner/First Contact

Second Contact

Website

2. INSPECTION FINDINGS

NO FIRE HAZARDS FOUND! Thanks for keeping our community firesafe!

□ Repair holes in ceilings/walls to maintain fire resistance.

Remove combustible materials within30" of gas fueled appliances.

□ Maintain storage clearances from ceilings or sprinklers (18" minimum).

□ Electrical extension cords and multi-tap adapters not permitted.

□ Remove obstructions from exits, aisles, corridors and stairways.



CARMEL FIRE PROTECTION King City Operations

Art Black Fire Marshal

www.carmelfire.com art@carmelfire.com **3. FIRE PROTECTION SYSTEMS** Fire Extinguishers

10/21 ALPHA

Automatic Fire Sprinklers

Standpipes

Fixed Fire Protection Systems

Fire Alarm and Detection Systems

Other Systems

Hazardous Materials?

4. NOTICES AND ORDERS

Please make all corrections by:

Failure to do so may result in a fee charged for each additional inspection, a citation into municipal court, or both.

Inspector

5. OWNER ACKNOWLEDGEMENT

I acknowledge that I have received a copy of this inspection report and that the required corrections and reinspection date have been explained to me.

Signature X

Print Name:_

Date

6. REINSPECTION RECORD

Date	Description	Actions