

DOCKETED

Docket Number:	06-AFC-09C
Project Title:	Colusa Generating Station - Compliance
TN #:	203288
Document Title:	Title V Operating Permit
Description:	Initial Title V Operating Permit
Filer:	Charles Robert Price
Organization:	Pacific Gas & Electric Co.
Submitter Role:	Applicant
Submission Date:	10/30/2014 3:53:20 PM
Docketed Date:	10/30/2014



Ed Warner
Senior Plant Manager

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CGS14-L-0023
October 28, 2014

Mr. Eric Veerkamp
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814

Subject: Colusa Generating Station Project (06-AFC-9C)
Condition of Certification AQ-SC6 – New Title V Permit

Dear Eric:

In compliance with Condition of Certification AQ-SC6, attached is a copy of our Title V Operating Permit. The permit has an Issue Date of 09/01/14, but it was just recently mailed by the Colusa County Air pollution Control District and was received on 10/24/14. If you have any questions, please contact me at (530) 934-9007.

Sincerely,

A handwritten signature in cursive script that reads 'Charles Price'.

Charles Price
Senior Environmental Consultant

cc: File No. 3.6.3.1
E. Warner, PG&E
J. Vann, PG&E
S. Gassner PG&E

Colusa County Air Pollution Control District
100 Sunrise Blvd., Ste. F
Colusa, CA 95932
(530) 458-0590

Title V Operating Permit

is Hereby Granted to

Pacific Gas & Electric Company

for Equipment Located at:

Colusa Generating Station

4780 Dirks Road, Maxwell

SW1/4 S36 T18N R4W

Colusa County, CA

Subject to the Listed Conditions

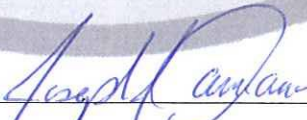
Type of Facility: Electric Generating Facility

Primary SIC: 4911

Issue Date: September 1, 2014

Permit No: 21006-0259

Expiration Date: August 31, 2019



Joseph Damiano

Air Pollution Control Officer

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EQUIPMENT LIST

Equipment Description	Make or Type	Model	Capacity
Combustion turbine #1	General Electric	GE 7FA	172 MW Nominal at ISO Conditions
Combustion turbine #2	General Electric	GE 7FA	172 MW Nominal at ISO Conditions
Boiler #1	Nooter Erickson	HRSG w/ duct burner	688 mmbtu/hr
Boiler #2	Nooter Erickson	HRSG w/ duct burner	688 mmbtu/hr
SCR NOx Control System #1	Titanium, Vanadium, Tungsten honeycomb for both CTGs	NA	NH ₃ injection rate 90-250 lbs/hr at Normal Operating Conditions
SCR NOx Control System #2		NA	
CO Oxidation Catalyst #1	BASF Alumina Platinum stainless steel substrate for both CTGs	NA	Catalyst temperature range 500-1050 degree F
CO Oxidation Catalyst #2		NA	
Natural Gas Water Bath Heater	Sigma Thermal	WB-7.56-774- 4.0-80	10 mmbtu/hr
Storage Tank	Aqueous Ammonia	NA	20,000 gallons

EMISSION LIMITS AND STANDARDS

- Equipment located at the Pacific, Gas, & Electric Company (PG&E)'s Colusa Generating Station (CGS) facility, including the gas turbines, shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three (3) minutes in any one hour which is as dark or darker than Ringlemann No. 2 (40% opacity). [Colusa County Air Pollution Control District (Rule 2.13 - VISIBLE EMISSIONS), approved by U.S. Environmental Protection Agency (U.S. EPA) in 37FR19812 (9/22/72)]

2. Particulate emissions from fuel burning equipment, including the gas turbines, shall not exceed 0.30 grains per cubic foot of dry gas calculated to 12 percent CO₂ at standard conditions. (Rule 2.15 - PARTICULATE CONCENTRATION), approved by U.S. EPA in 37FR19812 (9/22/72)
3. The emissions of sulfur compounds, calculated as sulfur dioxide (SO₂), from fuel burning equipment, including the gas turbines, shall not exceed 0.2 percent by volume. (Rule 2.22 - SULFUR OXIDES, approved by U.S. EPA on 9/22/72)
4. Stationary fuel burning equipment, including the gas turbines, shall use California Public Utility Commission (CPUC) regulated natural gas at all times. (Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)
5. At all times, including periods of startup, shutdown, and malfunction, PG&E shall, to the extent practicable, maintain and operate all fuel burning equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Fugitive emissions, including dust and odors, shall be controlled at all times such that a nuisance is not created at any point beyond the facility's property lines. [40 CFR Part 60 Subpart A - General Provisions, Section 60.11 d (Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)
6. Emissions from each of the General Electric 7FA gas turbines shall not exceed the following maximum, steady state(non startup or shutdown conditions), emission limits (concentrations are ppmvd @ 15% O₂): (Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)

Gas Turbine Emission Limits with and without Duct Firing				
Pollutant	Emission	Average	W/ Duct Firing	W/O Duct Firing
NOx	Pounds	Hour	20.7	15.3
	Pounds	Day	1,497.3	1,497.3
	Concentration	Hour	2.0	2.0
VOC	Pounds	Hour	7.2	3.4
	Pounds	Day	315.3	315.3
	Concentration	Hour	2.0	1.38
CO	Pounds	Hour	18.9	14.0
	Pounds	Day	3,829.5	3,829.5
	Concentration	3Hour	3.0	3.0
PM10	Pounds	Day	324	324
NH3	Pounds	Hour	19.2	14.2

	Concentration	Hour	5.0	5.0
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Toxic Air Contaminant	Emission Limit per MMscf Natural Gas
Formaldehyde	0.917 pounds

Total facility emissions of toxic air contaminants shall not exceed 10 tons per year for any single pollutant except ammonia, formaldehyde and propylene.

The natural gas water bath heater shall meet the emission limits stated below.

Pollutant	Pounds per Hour	Concentration ppmvd @ 3% O ₂
NO _x	0.39	30.0
CO	0.79	
VOC	0.03	
PM ₁₀	0.03	
SO ₂	0.03	

Total emissions from the Colusa Generating Station shall not exceed the limits established below.

Quarterly and Annual Combustion Emissions from CGS Facility					
Pollutant	1st Quarter Emissions (tons)	2nd Quarter Emissions (tons)	3rd Quarter Emissions (tons)	4th Quarter Emissions (tons)	Annual Emissions (tons)
NO _x	45.56	43.58	51.30	44.27	184.7
CO	54.29	52.49	107.15	53.95	267.9
VOC	12.30	11.63	11.84	11.76	47.5
PM ₁₀	25.54	25.78	26.02	26.02	103.4
SO ₂	4.07	3.85	3.89	3.89	15.7

Offsets for the Colusa Generating Station shall be in effect prior to operation of the facility and will not be less than the following amounts at any time. The offsets presented in the first table below reflect distance factor adjustments, the 1.4 to 1 VOC: NO_x interpollutant ratio and the 25 tons per year emission allowance.

Emission Offsets by Calendar Quarter (adjusted for distance and interpollutant ratio)					
Pollutant in tons	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual Tons
Oxides of nitrogen (NO ₂)	26.20	24.99	21.52	27.12	99.83
Volatile organic compounds	26.59	26.59	26.59	26.59	106.36
Particulate Matter PM ₁₀	21.22	19.73	15.21	22.20	78.36

Emission Offsets by Calendar Quarter (not adjusted)					
Pollutant in tons	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual Tons

Oxides of nitrogen (NO ₂)	36.79	35.41	31.36	37.93	141.49
Volatile organic compounds	39.89	39.89	39.89	39.89	159.56
Particulate Matter PM ₁₀	30.43	28.33	22.15	31.75	112.66

7. The following table shows emission limits for each GE 7FA gas turbine during startup and shutdown operations. Only one gas turbine may be started at a time.

Time and Emissions During Startup and Shutdown Operations								
Pollutant	Cold Startup		Warm Startup		Hot Startup		Shutdown	
	270 Minutes		180 Minutes		90 Minutes		30 Minutes	
	Max lb/hour	Total lb/270 min	Max lb/hour	Total lb/180 min	Max lb/hour	Total lb/90 min	Max lb/hour	Total lb/30 min
NO _x	333.3	779.1	249.9	456.2	152.0	259.9	115.0	115.0
CO	429.6	1,355.6	373.6	790.5	370.3	679.6	483.5	483.5
VOC	27.7	106.7	27.7	47.4	27.7	38.0	23.9	23.9
PM ₁₀	12.0	48.8	12.0	30.8	12.0	12.8	6.0	6.0
SO ₂	0.4	1.8	0.4	1.2	0.4	0.6	0.2	0.2

8. PG&E shall not cause to be discharged into the atmosphere from the General Electric gas turbines, any gases which contain nitrogen oxides (NO_x) in excess of 15 parts per million by volume (ppmv) when the unit is operating above 75% of peak load and 96 ppmv when operating below 75% of peak load. All concentrations are to be calculated on a 4 hour rolling average and corrected to 15 percent oxygen. [40 CFR Part 60 Subpart KKKK- Standards of Performance for Stationary Gas Turbines, Section 60.4320(a); 60.4380(b)(1); and Table 1 to Subpart KKKK of Part 60-Nitrogen Oxide Emission Limits for New Stationary Combustion Turbines]
9. PG&E shall not burn in the General Electric gas turbines any fuel which contains total potential sulfur emissions in excess of 0.06 pounds SO₂ per million Btu (lb SO₂/MMBtu) heat input. [40 CFR Part 60 Subpart KKKK- Standards of Performance for Stationary Gas Turbines, Section 60.330(a)(2)]

TESTING, MONITORING, AND REPORTING REQUIREMENTS

10. Upset/Breakdown condition
- a. If any upset or breakdown occurs with equipment under permit in such a manner that may cause excess emissions of air contaminants, the APCO shall be notified of such failure or breakdown within twenty-four (24) hours or by 9:00 a.m. by the following working day.

- b. The breakdown shall be logged, investigated and handled to its final disposition.
- c. PG&E shall also submit a written statement of full disclosure of the upset/breakdown to the District within 72 hours. The report shall contain the date and time of the event and also the following information:
 - 1. Duration of excessive emissions;
 - 2. Estimate of quantity of emissions;
 - 3. Statement of the cause of the occurrence; and
 - 4. Corrective measures to be taken to prevent a recurrence.
- d. A breakdown condition is an unforeseeable failure or malfunction of any air pollution control equipment or related operating equipment which causes a violation of any emission limitation or restriction prescribed by the District's rules and regulations, or by state law, or similar failure of any required in stack continuous monitoring equipment.

In the case of shut-down or re-start of air pollution control equipment for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Colusa County Air Pollution Control District (District) Air Pollution Control Officer (APCO) at least twenty-four (24) hours prior to the planned shutdown. Such notification does not exempt the facility from complying with all permit limits and requirements.

[CCAPCD Rule 3.17- PERMITS TO OPERATE FOR SOURCES SUBJECT TO TITLE V OF THE FEDERAL CLEAN AIR ACT AMENDMENTS OF 1990]

11. Emergency event

- a. Within two working days of the emergency event, PG&E shall provide the APCO, via phone, written statement, fax or email the following information:
 - 1. A description of the emergency;
 - 2. Estimated duration of the emergency; and
 - 3. Any mitigating or corrective actions taken.
- b. Within two weeks of an emergency event, PG&E shall submit to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that:
 - 1. An emergency occurred;
 - 2. The cause(s) of the emergency can be identified;
 - 3. The facility was being properly operated at the time of the emergency; and
 - 4. All steps were taken to minimize the emissions resulting from the emergency.

- c. The APCO shall be notified when the condition causing the emergency event has been corrected and the equipment is again in operation.
- d. A report for each emergency event shall be submitted to the APCO as part of PG&E's quarterly monitoring report.
- e. An emergency event is any situation arising from a sudden and reasonably unforeseeable event beyond the control of PG&E which causes the exceedance of a technology-based emission limitation. An emergency event constitutes an affirmative defense to an action brought for non-compliance with technology-based emission limitations if the conditions in 11.b. are met.

[CCAPCD Rule 3.17- PERMITS TO OPERATE FOR SOURCES SUBJECT TO TITLE V OF THE FEDERAL CLEAN AIR ACT AMENDMENTS OF 1990]

- 12. PG&E shall report any deviation from permit requirements in this Title V Operating Permit, other than emergency events, to the APCO, via phone, fax or email within 96 hours. A report for each deviation from permit requirement shall be prepared by PG&E within two weeks after the initial detection of the deviation. Unless requested earlier by the APCO, these reports shall be submitted to the APCO as part of PG&E's quarterly monitoring report. [CCAPCD Rule 3.17]
- 13. PG&E shall submit quarterly reports of the facility Continuous emission monitoring (CEM) and process data (including fuel use for each combustion equipment unit), including startup information, to the District within 30 days after the end of each quarter. Format of the data submission will be determined by the District and includes both electronic and hard copy files.

The monitoring report shall include, at a minimum:

- a. A report for each deviation from permit requirements that occurred during the reporting period, including emergency events. PG&E shall use district approved forms to report each deviation from permit requirement;
- b. Results of any emission testing done during the reporting period; and
- c. A Certification Report form (Form 3.17-J1), which includes a certification regarding the truth, accuracy, and completeness of the report from the responsible official.

An annual report shall also be submitted for the CGS facility including: total emissions for all pollutants for each combustion unit and the entire facility, total operating hours for each combustion unit, numbers and types of startups and shutdowns for each CTG, total fuel used for each combustion unit, results of the monthly sulfur content tests, and total

ammonia used. Format of the data submission will be determined by the District and includes both electronic and hard copy files.

[CCAPCD Rule 3.17]

14. PG&E shall submit compliance certification reports to the U.S. EPA and the APCO every twelve months. The report shall be submitted every February 1. PG&E shall use District approved forms for the compliance certification and shall also include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report. [CCAPCD Rule 3.17]
15. Annual source tests are required. A source test protocol shall be submitted to the District, for approval by the Air Pollution Control Officer (APCO), at least 45 days prior to conducting the source tests. The District shall be notified at least 10 days prior to actual source testing. The results of the source test shall be submitted to the District and the EPA within 60 days following testing.

Stack gas testing, using EPA, ARB or other APCO approved methods, shall be required on an annual basis for NO_x, VOC and CO on the HRSG stacks. The HRSG stacks shall also be tested for SO_x and PM₁₀ emissions during the first year and if requested by the APCO in subsequent years. The natural gas water bath heater shall be tested for NO_x, SO_x, VOC, CO, and PM₁₀ during the first year and thereafter only as requested by the APCO.

Annual testing of the HRSG stacks shall include quantification of formaldehyde and ammonia (NH₃) emissions for compliance with permit limits. The facility owner/operator shall verify, by continuous recording, the ammonia injection rate to the system. The ammonia source test shall be conducted over the expected operating range of the turbine (including, but not limited to 50%, 75%, and 100% load) to establish the range of ammonia injection rates necessary to achieve NO_x emission reductions while maintaining ammonia slip levels. The source test shall also determine the correlation between the heat input rates of each gas turbine and ammonia mass emissions.

Both printed and electronic copies of the source tests must be provided to the District. [CCAPCD Rule 3.17] [40 CFR Part 60 Subpart A - General Provisions, Section 60.8(a) and (d)]

16. The gas turbines, duct burners, and natural gas water bath heater shall be fired exclusively on pipeline quality natural gas. The annual average sulfur content in the natural gas used at the facility shall be less than or equal to 0.3 grains per 100 scf. Monthly testing, at the site, using approved methods (i.e., EPA 19 and ASTM D-3246) is required to determine the sulfur content of the natural gas. The test results shall be provided to the District each quarter. [CCAPCD Rule 3.17]

17. No annual testing requirement is specified for the sulfur dioxide limits specified in conditions 3, 6 and 7 unless a test is requested by the APCO. All fuel burning equipment at the facility is expected to be in compliance with those limits due to being fired on CPUC regulated natural gas. At the request of the APCO, PG&E shall provide results of testing done to determine the sulfur content of the natural gas used as fuel at the facility. [CCAPCD Rule 2.7B - CONDITIONAL APPROVAL (current Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)]
18. Records of all CEM and support information shall include the following: 1) date, place and time of measurement or monitoring equipment maintenance activity; 2) operating conditions at the time of measurement or monitoring equipment maintenance activity; 3) date, place, name of company or entity that performed the measurement or monitoring equipment maintenance activity and the methods used; and 4) results of the measurement or monitoring equipment maintenance. The CEM and support information shall be retained for at least five years from date of collection of the measurements. [CCAPCD Rule 3.17]
19. The annual emission limits specified in condition 6. shall be based on a 12-month rolling average. The daily emission limits specified in condition 6. shall be based on a 24-hour rolling average. (Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)
20. Continuous emission monitoring (CEM) systems shall be installed and sample, analyze, and record NO_x, CO and O₂ concentrations in the exhaust gas of both HRSG stacks. This system will generate reports of emissions data in accordance with the permit requirements and will send alarm signals to the plant distributed control system (DCS) control room when the level of emissions approaches or exceeds pre-selected limits. The Colusa County Air District shall have real-time access to the CEM data at the facility to enable District staff to monitor emissions and compliance with these permit conditions as recorded by the CEMs. The format and content of the data display shall be approved by the District. (Rule 3.5 - CONDITIONAL APPROVAL), approved by U.S. EPA in 47FR26379 (2/25/80)
21. A Relative Accuracy Test Audit (RATA) must be conducted on the CEMS at least once every four calendar quarters, according to the performance specifications for continuous monitoring systems under 40 CFR Part 60, appendix B. [40 CFR Part 60 Subpart A - General Provisions, Section 60.13(a), 40 CFR Part 60, appendix F, Section 5]
22. Compliance with the NO_x, CO, VOC and PM₁₀ emission limits specified in conditions 6 and 7 shall be determined based on emissions source tests and the CEMs system. [40 CFR Part 60 Subpart A - General Provisions, Section 60.8(a) and (d)]
23. When conducting the source test required in condition 15, Method 20 (or subsequent or

- approved alternative method) shall be used to determine the nitrogen oxides, and oxygen concentrations. The NO_x emissions shall be determined at a point within plus or minus 25 percent of 100 percent of peak load. [40 CFR Part 60 Subpart KKKK- Standards of Performance for Stationary Gas Turbines, Section 60.4400]
24. The zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts for the continuous monitoring system shall be checked at least once daily. The zero and span must, as a minimum, be adjusted whenever either the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in Appendix B of this part. The system must allow the amount of excess zero and span to be recorded and quantified whenever specified. [40 CFR Part 60 Subpart A - General Provisions, Section 60.13(d)(1)]
 25. Upon District request, PG&E shall use ASTM D 1072, or alternatively D3246, D4084, D4486, D4810, D6228, D6667, or gas processors association Standard 2377 (or subsequent or approved alternative method) to determine fuel sulfur levels for compliance with the SO_x emission limits specified in condition 3, 6, 7 and the natural gas sulfur content standard in condition 9. [40 CFR Part 60 Subpart KKKK- Standards of Performance for Stationary Gas Turbines, Section 60.4415(a)(1)(ii)]
 26. Except for CEM system breakdowns, repairs, calibration checks, and zero and span adjustments, the continuous monitoring system shall be in continuous operation and shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [40 CFR Part 60 Subpart A - General Provisions, Section 60.13(e)]
 27. The CEM shall reduce all data to 1-hour averages which shall be computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of CEM breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages. [40 CFR Part 60 Subpart A - General Provisions, Section 60.13(h)]
 28. PG&E shall submit an excess emissions and monitoring systems performance report and/or a summary report to the District and the EPA semiannually. This report shall contain the information specified in 40 CFR Part 60 Subpart A - General Provisions, Section 60.7(c) and (d) and shall be postmarked by the 30th day following the end of each calendar quarter. [40 CFR Part 60 Subpart KKKK- Standards of Performance for Stationary Gas Turbines, Sections 60.4375 and 60.4395; 40 CFR Part 60 Subpart A - General Provisions, Section 60.7(c) and (d)]
 29. PG&E shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the General Electric gas turbines; any malfunction of the air pollution control equipment; or any periods during which the continuous monitoring

system is inoperative. [40 CFR Part 60 Subpart A - General Provisions, Section 60.7(b)]

30. PG&E shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR Part 60 Subpart A - General Provisions, Section 60.7(f)]

STANDARD CONDITIONS

31. PG&E shall comply with all conditions of this permit. [CCAPCD Rule 3.17]
32. This permit does not convey property rights or exclusive privilege of any sort. [CCAPCD Rule 3.17]
33. Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [CCAPCD Rule 3.17]
34. This permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by the District. [CCAPCD Rule 3.17]
35. It shall not be a defense for PG&E in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [CCAPCD Rule 3.17]
36. A pending permit action or notification of anticipated noncompliance does not stay any permit condition. [CCAPCD Rule 3.17]
37. Within a reasonable time period, PG&E shall furnish any information requested by the APCO, in writing, for the purpose of determining: 1) compliance with the permit, or 2) whether or not cause exists to modify, revoke and reissue, or terminate a permit or for an enforcement action. [CCAPCD Rule 3.17]
38. An Authority to Construct application shall be obtained from the District prior to the modification or replacement of any equipment for which a Permit to Operate has been granted; and prior to the installation and operation of any equipment for which an Authority to Construct is required, pursuant to Colusa County APCD Rule (Rule 3.1 - PERMITS REQUIRED), approved by U.S. EPA in 37FR19812 (9/22/72)
39. PG&E shall not build, erect, install, or use any article, machine, equipment or process,

the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. [40 CFR Part 60 Subpart A - General Provisions, Section 60.12]

40. This permit is not transferable, either from one location to another, from one piece of equipment to another, or from one person to another except on written approval of the APCO. Prior to a transfer of ownership, the APCO shall receive a written agreement which specifies a date for the transfer of permit responsibility, coverage, and liability from PG&E to the prospective permittee. [CCAPCD Rule 3.17]
41. The Regional Administrator of U.S. EPA, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted to enter upon the premises:
 - a. To inspect the stationary source, including equipment, work practices, operations, and emission-related activity;
 - b. To inspect and duplicate records required by this Permit to Operate; and
 - c. To sample substances or monitor emissions from the source or other parameters to assure compliance with the permit or applicable requirements. Monitoring of emissions can include source testing.

[CCAPCD Rule 3.17]
42. The provisions of this Title V Operating Permit are severable, and, if any provision of this Permit to Operate is held invalid, the remainder of this Title V Operating Permit shall not be affected thereby. [CCAPCD Rule 3.17]
43. This Title V Operating Permit shall become invalid five years from the date of issuance. PG&E shall apply for renewal of this permit no later than 6 months before the date of expiration. Upon submittal of a timely and complete renewal application, this permit to operate shall remain in effect until the APCO issues or denies the renewal application. [CCAPCD Rule 3.17]
44. PG&E shall remit the Title V supplemental annual fee to the district in a timely basis. Failure to remit fees on a timely basis is grounds for forfeiture of this Permit to Operate. Operation without a permit to operate subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to section 502(a) of the Clean Air Act. [CCAPCD Rule 3.17]
45. Persons performing maintenance, service, repair or disposal of appliances using CFCs, HCFCs or other ozone-depleting substances must be certified by an approved technician certification program. [40 CFR 82.161, Stratospheric Ozone Protection]

46. Persons opening appliances using CFCs, HCFCs or other ozone-depleting substances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156. [40 CFR 82.156, Stratospheric Ozone Protection]
47. Equipment used during the maintenance, service, repair, or disposal of appliances using CFCs, HCFCs or other ozone-depleting substances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158. [40 CFR 82.158, Stratospheric Ozone Protection]