DOCKETED	
Docket Number:	92-AFC-01C
Project Title:	Compliance - Application for Certification of Crockett Cogeneration C & H Sugar Refinery Project
TN #:	231096
Document Title:	Annual Compliance Report for 2018
Description:	N/A
Filer:	Patty Paul
Organization:	Crockett Cogeneration
Submitter Role:	Applicant
Submission Date:	12/11/2019 6:41:30 AM
Docketed Date:	12/11/2019

CROCKETT COGENERATION, A California Limited Partnership

550 Loring Avenue
Crockett CA 94525
(510) 787-4100

February 14, 2019

Mr. John Heiser
Compliance Project Manager
California Energy Commission
Siting, Transmission & Environmental Protection (STEP) Div.
1516 Ninth Street, MS-2000
Sacramento, CA 95814-5512

Re: CROCKETT COGENERATION PROJECT (92-AFC-1C) ANNUAL REPORT 2018

Dear Mr. Heiser,

Enclosed please find the 2018 Annual Compliance Report for Crockett Cogeneration. This report contains, 4 attachments. Attachment 1 and 2 are the current copies of our BAAQMD Permits to Operate; Attachment 3 contains photographs showing the VIS-1 and Land-14 conditions of the vegetation management and the landscaping of the public viewing plaza; Attachment 4 is the updated compliance matrix
If you have any questions or require additional information, please do not hesitate to call.

Prepared for:

CROCKETT COGENERATION,
A California Limited Partnership

By: Carlos Sanchez
Interim Plant Manager

file A16.2.1

Attachments 1-4

Air Quality Conditions of Certification
Annual Compliance Report
January to December 2018

AQ-1	There were no major changes in the air emissions control system.
AQ-2	The active air district Permits to Operate for the cogeneration facility and the transition station standby generator are included. (Attachments 1 & 2)
AQ-101	The monthly report to BAAQMD and the facility heat input data were submitted monthly. No exceptions during 2018.
AQ-102	There was no violation of this condition during 2018.
AQ-103	There was no violation of this condition during 2018.
AQ-104	There was no violation of this condition during 2018.
AQ-105	There was no violation of this condition during 2018.
AQ-106	There was no violation of this condition during 2018.
AQ-107	There was no violation of this condition during 2018.
AQ-108	There were no major problems in the operation of the Oxidizing Catalyst or Selective Catalytic Reduction Systems for the gas turbine and HRSG during 2018.
AQ-109	There was no violation of this condition during 2018.
AQ-110	There was no violation of this condition during 2018.
AQ-111	There was no violation of this condition during 2018.
AQ-112	There was no violation of this condition during 2018.
AQ-113	There was no violation of this condition during 2018.
AQ-114	There were no major problems in the operation of the Oxidizing Catalyst or Selective Catalytic Reduction Systems for auxiliary boiler "A" during 2018.
AQ-115	There were no major problems in the operation of the Oxidizing Catalyst or Selective Catalytic Reduction Systems for auxiliary boiler "B" during 2018.
AQ-116	There were no major problems in the operation of the Oxidizing Catalyst or Selective Catalytic Reduction Systems for auxiliary boiler "C" during 2018.

AQ-117 There was one violation of this condition during 2018. (Condition 117 f. On 6/4/18 at 14:00 Auxiliary Boiler "C" exceeded the ammonia slip limit of 20 PPM. The cause was operator error. A settlement agreement was offered to settle the violation for $15,000 which was accepted.)

AQ-118 The daily fuel consumption limit was not exceeded during 2018.

AQ-119 The annual fuel consumption limit was not exceeded during 2018.

AQ-120 The daily emission limits were not exceeded during 2018.

AQ-121 The annual emission limits were not exceeded during 2018.

AQ-122 The maximum projected annual emissions from all sources do not exceed the required limits.

AQ-123 There was no violation of this condition during 2018.

AQ-124 In compliance with conditions AQ-131 and AQ-132.

AQ-125 In compliance with conditions AQ-131 and AQ-132.

AQ-126 In compliance with conditions AQ-131 and AQ-132.

AQ-127 The annual source test was conducted on the GT/HRSG on November 14, 2018.
In compliance with conditions AQ-131 and AQ-132.

AQ-128 The annual source test was conducted on auxiliary boiler "A" on November 15, 2018.
In compliance with conditions AQ-131 and AQ-132.

AQ-129 The Biennial source test for formaldehyde was completed on November 14, 2018.
The requirements for AQ-129b. were met as of the year 2000 source test.

AQ-130 All reports submitted to BAAQMD were copied and submitted to the CEC during 2018.

AQ-131 All records are maintained on site for a minimum of 5 years, and are available upon request.

AQ-132 There was one violation reported in 2018. Notified the District on 7/24/18 and the CPM on 7/27/18 with the Reportable Compliance Activity (RCA) form and in the 10 and 30 day deviation reports.

AQ-133 There were no exceedances of the limits of this condition during 2018.

Conditions of Certification
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AQ-134 There were no exceedances of the limits of this condition during 2018.

QF-1 FERC Standards

	BTU's
Electric Power Output (Cogen) (E1+E2)	**4.81E+12**
Electric Power Output (C&H) (E3)	**1.59E+11**
(1) Electric Power Output Total (E1+E2+E3)	**4.97E+12**
Useful Thermal Energy to C&H (T3+T4)	**1.29E+12**
Less: Condensate Return (T5)	**1.67E+11**
(2) Useful Thermal Energy	**1.12E+12**
GT Fuel (LHV) (F1)	**1.08E+13**
HRSG Duct Burner (LHV) (F2)	**7.29E+11**
(3) Fuel Energy Input (F1+F2)	**1.15E+13**

FERC Efficiency	**=**	**(1+.5(2))/3**	**48.17%**
FERC Operating Standard	**=**	**2/(1+2)**	**18.40%**

Conditions of Certification
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SOC-2

	TOTAL	CROCKETT RESIDENTS	CROCKETT TO TOTAL
Total Regular Employees on 12/31/18	**18**	**2**	**11.1%**

SOC-4

Paid Crockett Community Foundation	**$ 287,414**	**IN MAY 2018**
Paid Crockett Community Foundation	**$ 296,036**	**IN NOVEMBER 2018**

TLSN-2

We received zero radio or television interference complaints during 2018.

VIS-1 VEGETATION AND LANDSCAPING

The vegetation and landscaping has been maintained as required.
(Please see the photographs in Attachment 3)

VIS-2 STATUS REPORT ON PAINTING MAINTENANCE

The painted panels of the main facility buildings are still holding up very well.
We will continue evaluating the plant coating requirements on an annual basis.

Conditions of Certification
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RELI-1 FORCED OUTAGE REPORT

3/16/18	HP steam line to turbne	225.3 hrs
4/23/18	Main Transformer X-1 repairs	414.9 hrs
5/22/18	Unit trip – Exhaust gas pressure switch	4.8 hrs
6/26/18	GT combustion trouble	1.77 hrs
7/2/18	Debris in GT combustion cans #1 and #14	39.6 hrs
7/27/18	Compressor Bleed Valve trouble	8.9 hrs
8/2318	Sugar excursion, low pH in HRSG	20.02 hrs
11/8/18	HRSG SCR Fan A-02A failed	28.08 hrs
11/16/18	HRSG SCR Fan A-02A failed	60.13 hrs
12/31/18	HRSG SCR Fan bearings failed	13.9 hrs
	TOTAL	**817.4 HOURS**

OPERATING AVAILABILITY 2018 **90.7 %**

LAND-1

Hazardous Materials Handled in 2018	**1,436.1 tons**
Hazardous Waste handled in 2018	**6.7 tons**

LAND-13

There were no public tours requested or given in 2018.

LAND-14

The public access areas, the viewing plaza and parking lot have been maintained as required and are enjoyed by the public on a daily basis.
(Please see the photographs in ATTACHMENT 3)

WASTE-2 WASTE DISPOSAL SUMMARY

Waste streams	Gals./lbs. or cu.ft.	Disposal Facility
O&M Waste Liquid	1,395 gal	Demenno Kerdoon, Compton, CA Clean Harbors, Wilmington, CA Temarry Recycling, Inc. Tecate, B.C. Mexico
O&M Waste Solid	2,570 lb	Rineco, Benton, AR US Ecology Nevada, Beatty, NV Temarry Recycling, Inc. Tecate, B.C. Mexico Clean Harbors, Wilmington, CA
Office & Non-Haz.Waste	11,070 cu ft	Republic Services, Richmond, CA
Universal Waste	75 lb batteries	AERC Recycling Solutions, Hayward, CA
	64 fluorescent lamps	AERC Recycling Solutions, Hayward, CA
	30 Sodium Vapor lamps	AERC Recycling Solutions, Hayward, CA

WASTE – 3 HAZARDOUS WASTE STORAGE

All hazardous waste was properly disposed of within 90 days. There were no variances or storage permits requested.

WASTE – 4 ENFORCEMENT ACTIONS

There were no waste management enforcement actions impending or taken in 2018.

WASTE-5 WASTE MANAGEMENT ACTIVITIES

WASTE STREAMS	ACTUAL	PLAN	COMMENTS
USED HYDRAULIC FLUID, OR USED LUBRICATING OIL	1,390 gal	<5 gpd	NON-RCRA H/W & RECYCLED
USED OIL FILTERS	425 lb	N/A	NON-RCRA H/W
USED LEAD ACID (BATTERIES)	0	2/year	RECYCLED
SPENT SCR CATALYST	0	5,000 cu ft	Every 3 to 5 years
SPENT CO CATALYST	0	2,000 cu ft	Every 3 to 5 years
SPENT ACTIVATED CARBON	0	2,700 cu ft	Every 2 years
O&M WASTE LIQUID	1,390 gal	365 gal	NON-RCRA H/W
O&M WASTE SOLID	3,250 lb		RCRA & NON-RCRA H/W
PLANT EFFLUENT DISCHARGES	191,158 gpd	183,611 gpd	NON-HAZARDOUS
SANITARY WASTEWATER	1,788 gpd	1,400 gpd	NON-HAZARDOUS
OIL/WATER SEPARATOR WASTE	725 gal	720 GPY	NON-RCRA H/W & RECYCLED
SPENT DEMINERALIZER RESIN	0 cu ft	4,800 cu ft	Every 3 to 5 years
OFFICE WASTES	3 cu ft /day	1 cu ft /day	NON-HAZARDOUS
OTHER NON-HAZ PLANT WASTE	27 cu ft / day		TRASH & GARBAGE

Note: During 2018 – The recycling programs were continued - waste paper & cardboard, aluminum cans, plastic bottles and scrap metal.

HAZ-1

Hazardous Materials purchased during 2018

Sulfuric Acid	433.9 tons
Sodium Hydroxide 50%	362.8 tons
Aqueous Ammonia 19.4%	615.5 tons
Oxygen Scavenger	0.48 tons
Phosphate	8.1 tons
Amine Corrosion Inhibiter	11.5 tons
Turbine Oil	1.7 tons
Hydraulic Oil	0.43 tons
Hydrogen	0.24 tons
Carbon Dioxide	0.08 tons
Propane	0.53 tons
Nitrogen, compressed	0.28 tons
Assorted Calibration gases	0.6 tons

ATTACHMENT 1

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

This document does not permit the holder to violate any BAAQMD regulation or any other law.

PERMIT EXPIRATION DATE
MAY 1, 2019

Plant# 8664

Crockett Cogeneration, A Cal Ltd Partne
550 Loring Avenue
Crockett, CA 94525

COPY SENT TO:
Raymond Rodriguez, EH&S Manager
Crockett Cogeneration, A Cal Ltd Partnership
34579 Lencioni Avenue
Bakersfield, CA 93308

Location: 550 Loring Avenue
Crockett, CA 94525

S#	DESCRIPTION	[Schedule]	PAID
201	Turbine, Cogeneration, 1780MM BTU/hr max, Natural gas Gas Turbine Abated by: A201 Oxidation Catalyst A202 Selective Catalytic Reduction (SCR) Emissions at: P201 Stack	[B]	61755
202	Inprocess Fuel Combustion, 349MM BTU/hr max, Natural gas Heat Recovery Steam Generator Duct Burner Abated by: A201 Oxidation Catalyst A202 Selective Catalytic Reduction (SCR) Emissions at: P201 Stack	[B]	12108
203	Commercial/Institutional Boiler, 376MM BTU/hr max Auxiliary Steam Boiler A Abated by: A203 Oxidation Catalyst A204 Selective Catalytic Reduction (SCR) Emissions at: P202 Stack	[B]	11859
204	Commercial/Institutional Boiler, 376MM BTU/hr max Auxiliary Steam Boiler B Abated by: A205 Oxidation Catalyst A206 Selective Catalytic Reduction (SCR) Emissions at: P203 Stack	[B]	11859

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.

RECEIVED

APR 24 2018

CROCKETT COGENERATION

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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PERMIT EXPIRATION DATE
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Plant# 8664

S#	DESCRIPTION	[Schedule]	PAID
205	Commercial/Institutional Boiler, 376MM BTU/hr max		11859
	Auxiliary Steam Boiler C	[B]	
	Abated by: A207 Oxidation Catalyst		
	A208 Selective Catalytic Reduction (SCR)		
	Emissions at: P204 Stack		

5 Permitted Sources

*** See attached Permit Conditions ***

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BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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Plant# 8664

*** PERMIT CONDITIONS ***

Source#	Subject to Condition Numbers
201	14970
202	14970
203	14970
204	14970
205	14970

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COND# 14970 *applies to S#'s 201, 202, 203, 204, 205*

Permit Conditions for Plant #8664:
Crockett Cogeneration, A California Limited Partnership;
Including: S-201, S-202, S-203, S-204, and S-205

The following definitions shall apply to all permit conditions listed below.

Definitions:

Clock Hour: Any continuous 60-minute period beginning on the hour.
Calendar Day: Any continuous 24-hour period beginning at 12:00 AM or 0000 hours.
Calendar Year: A period of time from January 1 at 12:00 AM through and including December 31 at 11:59 PM.
Heat Input: All heat inputs refer to the heat input at the higher heating value (HHV) of the fuel.
Rolling 3-hour period: Any three-hour period that begins on the hour and does not include startup or shutdown periods.
Firing Hours: Period of time during which fuel is flowing to a unit, measured in fifteen-minute increments.
Gas Turbine Startup: The first 120 minutes of continuous fuel flow to the Gas Turbine after fuel flow is first initiated; or the amount of time from Gas Turbine fuel flow initiation until the requirements listed in Conditions #9.a. through #9.e. are met, whichever is less.
Gas Turbine Shutdown: The last 60 minutes before fuel flow to the Gas Turbine is terminated; or the amount of time from noncompliance with any requirement listed in Conditions #9.a. through #9.e. until fuel flow termination, whichever is less.
Auxiliary Boiler Startup: The first 120 minutes of continuous fuel flow to an Auxiliary Boiler after fuel flow is first initiated; or the amount of time from Boiler fuel flow initiation until the requirements listed in Conditions

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#17.a. through #17.e. are met, whichever is less.

Auxiliary Boiler Shutdown: The last 60 minutes before fuel flow to an Auxiliary Boiler is terminated; or the amount of time from noncompliance with any requirement listed in Conditions #17.a. through #17.e. until fuel flow termination, whichever is less.

Specified PAH's: The polycyclic aromatic hydrocarbons listed below shall be considered to be Specified PAH's for these permit conditions. Any emission limits for Specified PAH's refer to the sum of the emissions for all six of the following compounds.

- Benzo[a]anthracene
- Benzo[b]fluoranthene
- Benzo[k]fluoranthene
- Benzo[a]pyrene
- Dibenzo[a,h]anthracene
- Indeno[1,2,3-cd]pyrene

Corrected Concentration: The concentration of any pollutant (generally NOx, CO, or NH3) corrected to a specific stack gas oxygen concentration. For P-201 from the Gas Turbine and the HRSG the specific stack gas oxygen concentration is 15% O2 by volume on a dry basis. For P-202, P-203, and P-204 from the Auxiliary Boilers, the specific stack gas oxygen concentration is 3% O2 by volume on a dry basis.

Conditions for the Gas Turbine (S-201) and the Heat Recovery Steam Generator (S-202)

1. The owner/operator shall fire S-201 Gas Turbine and S-202 Heat Recovery Steam Generator (HRSG) on PUC quality natural gas exclusively.
(Basis: BACT for SO2 and PM10)

2. The owner/operator shall limit the heat input rate to the Gas Turbine to no more than 1,780 million BTU per hour, averaged over any rolling 3-hour period.
(Basis: Cumulative Increase)

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3. The owner/operator shall limit the heat input rate to the HRSG to no more than 288.9 million BTU per hour, averaged over any rolling 3-hour period.
(Basis: Cumulative Increase)

4. The owner/operator shall limit the combined heat input rate to the Gas Turbine and HRSG to no more than 2,129 million BTU per hour, averaged over any rolling 3-hour period.
(Basis: PSD for NOx)

5. The owner/operator shall limit the combined heat input rate to the Gas Turbine and HRSG to no more than 51,096 million BTU per calendar day.
(Basis: PSD for PM10)

6. The owner/operator shall limit the combined heat input rate to the Gas Turbine and HRSG to no more than 15,613,000 million BTU per calendar year.
(Basis: Offsets)

7. The owner/operator shall not operate the HRSG unless the Gas Turbine is operating.
(Basis: BACT for NOx, CO, POC)

8. The owner/operator shall abate the Gas Turbine and HRSG with the properly operated and properly maintained Oxidizing Catalyst (A-201) and Selective Catalytic Reduction System (A-202), used in series.
(Basis: BACT and BAAQMD Regulation 2 Rule 5 [Toxics])

9. The owner/operator of the S-201 Gas Turbine and S-202 HRSG shall meet all of the requirements listed in a. through f. below, except during a Gas Turbine Startup or a Gas Turbine Shutdown.
(Basis: BACT, BAAQMD Regulation 2 Rule 5 [Toxics], and PSD)

a. Nitrogen oxide emissions at P-201 (the combined exhaust point for the S-201 Gas

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Turbine and the S-202 HRSG after control by the A-201 and A-202 Catalysts) shall not exceed 39.2 pounds per hour, calculated as NO2 and averaged over any rolling 3- hour period.
(Basis: PSD for NOx)

b. The nitrogen oxide concentration at P-201 shall not exceed 5.0 ppmv, corrected to 15% oxygen on a dry basis, and averaged over any rolling 3-hour period.
(Basis: BACT for NOx)

c. Carbon monoxide emissions at P-201 shall not exceed 46.6 pounds per hour, averaged over any rolling 3-hour period.
(Basis: PSD for CO)

d. The carbon monoxide concentration at P-201 shall not exceed 10 ppmv, corrected to 15% oxygen on a dry basis and averaged over any rolling 3-hour period.
(Basis: BACT for CO)

e. The temperature of the A-201 Oxidizing Catalyst shall be maintained at a minimum of 550 degrees Fahrenheit.
(Basis: BAAQMD Regulation 2, Rule 5 [Toxics] for formaldehyde, benzene, and PAH's)

f. Ammonia (NH3) emissions at P-201 shall not exceed 20 ppmv, corrected to 15% oxygen on a dry basis and averaged over any rolling 3-hour period.
(Basis: BAAQMD Regulation 2, Rule 5 [Toxics] for NH3)

Conditions for the Auxiliary Boilers (S-203, S-204, and S- 205)

10. The owner/operator shall fire the Auxiliary Boilers (S-203, S-204, and S-205) on natural gas exclusively.
(Basis: BACT for SO2 and PM10)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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11. The owner/operator shall limit the heat input rate to each Auxiliary Boiler (S-203, S-204, or S-205) to no more than 376 million BTU per hour, averaged over any rolling 3-hour period.
(Basis: Cumulative Increase)

12. The owner/operator shall limit the combined heat input rate to the Auxiliary Boilers (S-203, S-204, and S-205) to no more than 18,048 million BTU per calendar day.
(Basis: PSD for PM10)

13. The owner/operator shall limit the combined heat input rate to the Auxiliary Boilers (S-203, S-204, and S-205) to no more than 6,575,000 million BTU per calendar year.
(Basis: Offsets)

14. The owner/operator shall abate the S-203 Auxiliary Boiler with the properly operated and properly maintained Oxidizing Catalyst (A-203) and Selective Catalytic Reduction System (A-204), used in series.
(Basis: BACT and BAAQMD Regulation 2, Rule 5 [Toxics])

15. The owner/operator shall abate the S-204 Auxiliary Boiler with the properly operated and properly maintained Oxidizing Catalyst (A-205) and Selective Catalytic Reduction System (A-206), used in series.
(Basis: BACT and BAAQMD Regulation 2, Rule 5 [Toxics])

16. The owner/operator shall abate the S-205 Auxiliary Boiler with the properly operated and properly maintained Oxidizing Catalyst (A-207) and Selective Catalytic Reduction System (A-208), used in series.
(Basis: BACT and BAAQMD Regulation 2, Rule 5 [Toxics])

17. The owner/operator of the Auxiliary Boilers (S-203, S-204, and S-205) shall meet all of the

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requirements listed in a. through f. below, except during an Auxiliary Boiler Startup or an Auxiliary Boiler Shutdown.
(Basis: BACT, BAAQMD Regulation 2 Rule 5 [Toxics], and PSD)

a. Nitrogen oxide emissions at P-202, P-203, or P-204 (the exhaust point for each Auxiliary Boiler after control by the Oxidizing Catalyst and SCR Catalyst) shall not exceed 3.7 pounds per hour, calculated as NO2 and averaged over any rolling 3- hour period.
(Basis: PSD for NOx)

b. The nitrogen oxide concentration at P-202, P-203, or P-204 shall not exceed 8.2 ppmv, corrected to 3% oxygen on a dry basis, and averaged over any rolling 3-hour period.
(Basis: BACT for NOx)

c. Carbon monoxide emissions at P-202, P-203, or P-204 shall not exceed 3.0 pounds per hour, averaged over any rolling 3-hour period.
(Basis: PSD for CO)

d. The carbon monoxide concentration at P-202, P-203, or P-204 shall not exceed 11.0 ppmv, corrected to 3% oxygen on a dry basis and averaged over any rolling 3-hour period.
(Basis: BACT for CO)

e. The temperature of the Oxidizing Catalysts (A-203, A-205, and A-207) shall be maintained at a minimum of 430 degrees Fahrenheit.
(Basis: BAAQMD Regulation 2 Rule 5 [Toxics] for formaldehyde, benzene, and PAH's)

f. Ammonia (NH3) emissions at P-202, P-203, or P-204 shall not exceed 20 ppmv, corrected to 3% oxygen on a dry basis and averaged over any rolling 3-hour period. (Basis: BAAQMD Regulation 2, Rule 5 [Toxics] for NH3)

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Conditions for All Sources Combined (S-201, S-202, S-203, S- 204, and S-205)

18. The owner/operator shall limit the combined heat input rate to the Gas Turbine (S-201), HRSG (S-202), and Auxiliary Boilers (S-203, S-204, and S-205) to no more than 57,544 million BTU per calendar day.
(Basis: PSD, CEC Offsets)

19. The owner/operator shall limit the combined heat input rate to the Gas Turbine (S-201), HRSG (S-202), and Auxiliary Boilers (S-203, S-204, and S-205) to no more than 19,023,000 million BTU per calendar year.
(Basis: Offsets)

20. The owner/operator shall limit the emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205), including emissions generated during Gas Turbine Startups, Gas Turbine Shutdowns, Auxiliary Boiler Startups, and Auxiliary Boiler Shutdowns, to no more than the following limits during any calendar day:

a. 969.7 pounds of NOx (as NO2) per day
(Basis: CEC Offsets)
b. 745.0 pounds of CO per day
(Basis: Cumulative Increase)
c. 352.6 pounds of POC (as CH4, methane) per day
(Basis: CEC Offsets)
d. 329.1 pounds of PM10 per day
(Basis: PSD)
e. 48.5 pounds of SO2 per day
(Basis: Cumulative Increase)

21. The owner/operator shall limit the emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205), including emissions generated during Gas Turbine Startups, Gas Turbine Shutdowns, Auxiliary Boiler Startups, and

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Auxiliary Boiler Shutdowns, to no more than the following limits during any calendar year:

a.160.85 tons of NOx (as NO2) per year
(Basis: Offsets, PSD)
b.73.27 tons of CO per year
(Basis: Cumulative Increase)
c.48.45 tons of POC (as CH4, methane) per year
(Basis: Offsets)
d.58.19 tons of PM10 per year
(Basis: PSD)
e.8.01 tons of SO2 per year
(Basis: Cumulative Increase)

22. *The owner/operator shall ensure maximum annual emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205) do not exceed the following limits:

a.4318.6 pounds of formaldehyde per year
b.116.1 pounds of benzene per year
c.78.7 pounds of Specified PAH's per year

during any calendar year, unless the owner/operator meets the requirements of (d), (e), and (f) below:

d.The owner/operator shall perform a risk analysis using the emission rates determined by source test and the most current District approved procedures and unit risk factors in effect at the time of the analysis. The cancer risk calculated by this first analysis shall not exceed either 4 in one million or the maximum allowable risk (considering the use of TBACT) under the Risk Management Policy in effect at the time of the analysis, whichever is greater.

e.The owner/operator shall perform a second risk analysis using the emission rates determined by source test and the procedures and unit risk factors in effect when the

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*** PERMIT CONDITIONS ***

Determination of Compliance was issued. The cancer risk calculated from this second risk analysis shall not exceed 4 in one million.

f. Both of these risk analyses shall be submitted to the District within 60 days of the source test date. The owner/operator may request in this submittal that the District revise the carcinogenic compound emission limits specified above. If the owner/operator demonstrates to the satisfaction of the APCO that these revised emission limits will satisfy the conditions stated in parts d. and e. above, the District may then (at the discretion of the APCO) adjust the carcinogenic compound emission limits listed above.

(Basis: BAAQMD Regulation 2 Rule 5 [Toxics])

23. The owner/operator shall demonstrate compliance with Conditions #2-#8, #9.a.-#9.e., #11-#16, #17.a.-#17.e., #18, #19, #20.a., #20.b., #21.a., and #21.b. by using properly operated and properly maintained continuous monitors (during all hours of operation including equipment Startup and Shutdown periods) for all of the following parameters:
a. Firing Hours and Fuel Flow Rates at each of the following sources: S-201, S-202, S-203, S-204, and S-205.
b. Oxygen (O2) Concentrations, Nitrogen Oxides (NOx) Concentrations, and Carbon Monoxide (CO) Concentrations at each of the following stacks: P-201, P-202, P-203, and P-204.
c. Inlet Temperatures at each of the following abatement devices: A-201, A-203, A-205, and A-207.

The owner/operator shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, the owner/operator shall

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calculate and record the total Firing Hours and the average hourly Fuel Flow Rates, Concentrations, and Temperatures.

The owner/operator shall use the parameters measured above and District approved calculation methods to calculate the following parameters:

d. Heat Input Rate at each of the following sources: S-201, S-202, S-203, S-204, and S-205.

e. Corrected NOx Concentrations, NOx Emissions measured as NO2, Corrected CO Concentrations, and CO Emissions at each of the following stacks: P-201, P-202, P-203, and P-204.

For each source or stack, the owner/operator shall record the above parameters (23.d. and 23.e.) every 15 minutes (excluding normal calibration periods). For each source, the owner/operator shall calculate and record the total Heat Input Rate for every clock hour and the average hourly Heat Input Rate for every rolling 3-hour period. For each calendar day, the owner/operator shall calculate and record, on an hourly basis, the cumulative total Heat Input Rate since 12:00 AM for: each source; the Gas Turbine and the HRSG Combined; the three Auxiliary Boilers Combined; and all five sources (S-201, S-202, S-203, S-204, and S-205) combined. The owner/operator shall calculate and record the average NOx Emissions, CO Emissions, and Corrected NOx and CO Concentrations for every clock hour and for every rolling 3-hour period. For each calendar day, the owner/operator shall calculate and record, on an hourly basis, the cumulative total NOx Emissions and cumulative total CO Emissions, since 12:00 AM, for: each source; the Gas Turbine and the HRSG Combined; the three Auxiliary Boilers Combined; and all five sources (S-201, S-202, S-203, S-204, and S-205) combined. For each calendar day, the owner/operator shall calculate and record the average hourly: Heat Input Rates, Corrected NOx

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Concentrations, NOx Emissions, Corrected CO Concentrations, and CO Emissions; for each source. For each calendar year, the owner/operator shall calculate and record, on a daily basis, the cumulative total NOx Emissions and cumulative total CO Emissions, since January 1 at 12:00 AM, for all five sources (S-201, S-202, S-203, S-204, and S-205) combined. (Basis: 1-520.1, 9-9-501, BACT, Offsets, NSPS, PSD, Cumulative Increase)

24. In order to demonstrate compliance with Conditions #20.c.-#20.e. and #21.c.-#21.e., the owner/operator shall calculate (on a daily basis): the Precursor Organic Compound (POC) Emissions, Fine Particulate Matter (PM10) Emissions, and Sulfur Dioxide (SO2) Emissions; from each source. The owner/operator shall use the actual Heat Input Rates calculated for Condition #23, actual Gas Turbine Startup Times, actual Gas Turbine Shutdown Times, and District approved emission factors to calculate these emissions. For each calendar day, POC, PM10, and SO2 Emissions shall be summarized for: the Gas Turbine and HRSG combined; the three Auxiliary Boilers Combined; and the five sources (S-201, S-202, S-203, S-204, and S-205) combined. For each calendar year, the owner/operator shall calculate and record (on a daily basis) the cumulative total POC, PM10, and SO2 Emissions, since January 1 at 12:00 AM, for all five sources (S-201, S-202, S-203, S-204, and S-205) combined. (Basis: Offsets, PSD, Cumulative Increase)

25. *In order to demonstrate compliance with Conditions #9.f. and 17.f., the owner/operator shall determine the Corrected Ammonia (NH3) Concentration and NH3 Emissions in a stack (P-201, P-203, P-204, or P-205) using either District approved emission calculation methods or District approved source test methods. Ammonia Concentration and Emissions shall be calculated and recorded for any hours that the

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owner/operator suspects that ammonia concentration may have exceeded the limits in 9.f. or 17.f. In addition, District staff may, at any time, request the owner/operator to calculate Ammonia Concentration and Emissions to verify compliance with Conditions #9.f. and #17.f.
(Basis: BAAQMD Regulation 2 Rule 5 [Toxics])

26. *In order to demonstrate compliance with Condition #22, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAH's. Maximum projected annual emissions shall be calculated using the maximum Heat Input Rate of 19,023,000 MM BTU/year and the highest emission factor (pounds of pollutant per MM BTU of Heat Input) determined by any source test at the Gas Turbine, HRSG, or Auxiliary Boilers.
(Basis: BAAQMD Regulation 2 Rule 5 [Toxics])

27. In order to demonstrate compliance with Conditions #9, #20, and #23, the owner/operator shall conduct, on an annual basis, a District approved source test on stack P-201 while the S-201 Gas Turbine and S-202 Heat Recovery Generator are operating at maximum allowable operating rates. The owner/operator shall test for (as a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and emissions, particulate matter (PM10) emissions, and ammonia concentration. The owner/operator shall also meet all applicable testing requirements specified in Volume V of the District's Manual of Procedures for continuous emissions monitors. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall notify the District's Source Test Section in writing of the source test protocols and projected test dates at least 7 days before the test is to begin.

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Source test results shall be submitted to the District within 30 days of conducting the tests. (Basis: Offsets for POC, PSD for PM10, BAAQMD Regulation 2 Rule 5 [Toxics]for NH3)

28. In order to demonstrate compliance with Conditions #17, #20, and #23, the owner/operator shall conduct, on an annual basis, a District approved source test on either stack P-202, P-203, or P-204 while the associated Auxiliary Boiler (S-203, S-204, or S-205) is operating at maximum allowable operating rates. The owner/operator shall ensure that each Auxiliary Boiler is tested at least once every five years. The owner/operator shall test for (as a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and emissions, particulate matter (PM10) emissions, and ammonia concentration. The owner/operator shall also meet all applicable testing requirements specified in Volume V of the District's Manual of Procedures for continuous emissions monitors. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall notify the District's Source Test Section in writing of the source test protocols and projected test dates at least 7 days before the test is to begin. Source test results shall be submitted to the District within 30 days of conducting the tests. (Basis: Offsets for POC, PSD for PM10, BAAQMD Regulation 2 Rule 5 [Toxics] for NH3)

29. *In order to demonstrate compliance with Conditions #22 and #25, the owner/operator shall conduct, on a biennial basis, an approved source test on stack P-201 while the S-201 Gas Turbine and S-202 Heat Recovery Steam Generator are operating at maximum allowable operating rates. Unless the requirements of 29.b. have been met, the owner/operator shall determine the formaldehyde, benzene, and Specified PAH

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emission rates (in pounds/MM BTU). If any of the above pollutants are not detected (below the analytical detection limit), the emission concentration for that pollutant shall be deemed to be one half (50%) of the detection limit concentration.
(Basis: BAAQMD Regulation 2 Rule 5 [Toxics])

a. The owner/operator shall calculate the maximum projected annual emission rate for each pollutant by multiplying the pollutant emission rate (pounds/MM BTU) determined from the source test by 19,023,000 MM BTU/year.

b. If three consecutive biennial source tests demonstrate that the emission rates for benzene and total Specified PAH's are less than the maximum projected annual emission rates shown below, then the owner/operator may discontinue future testing for that pollutant:

Benzene < or = 80.0 pounds/year

Specified PAH's < or = 7.0 pounds/year

30. The owner/operator shall submit all reports (such as: monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual.
(Basis: BAAQMD Regulation 2-6-502)

31. The owner/operator shall maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to: continuous monitoring records (firing hours, fuel flows, emissions, temperatures, monitor excesses, breakdowns, etc.), source test and analytical records, emission calculation

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records, records of plant upsets and related incidents. The owner/operator shall make all records and reports available to District staff upon request.
(Basis: BAAQMD Regulation 2-6-501)

32. The owner/operator shall notify the District of any violations of these Permit Conditions. Notification shall be submitted within a timely manner and in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. If the notification and reporting requirements for a particular permit condition violation are not explicitly described in a District Rule, Regulation, or the Manual of Procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division no more than 96 hours after the first occurrence of the violation.
(Basis: BAAQMD Regulation 1-522-7)

~~~~~~~~~~~~~~~~~~~~~~~~~~~ END OF CONDITIONS ~~~~~~~~~~~~~~~~~~~~~~~~~~~
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S#	Source Description	Annual Average lbs/day PART	ORG	NOx	SO2	CO
201	Gas Turbine	48.8	44.1	433	23.1	104
202	Heat Recovery Steam Generator Duct Burner	3	3	26	1.4	6
203	Auxiliary Steam Boiler A	3	.9	7	.9	5
204	Auxiliary Steam Boiler B	6.2	2.5	10	.9	8
205	Auxiliary Steam Boiler C	4.3	1.8	7	.6	6
	T O T A L S	65.3	52.4	484	26.9	129

** PLANT TOTALS FOR EACH EMITTED TOXIC POLLUTANT **

Pollutant Name	Emissions lbs/day
Benzene	.09
Formaldehyde	.95
Toluene	.41
Ammonia (NH3) pollutant	66.92

ATTACHMENT 2

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

This document does not permit the holder to violate any BAAQMD regulation or any other law.

PERMIT EXPIRATION DATE
MAR 1, 2019

Plant# 13937

Crockett Cogeneration, a Cal Ltd Partnership
550 Loring Avenue
Crockett, CA 94525

Location: 730 Kendall Avenue
Crockett, CA 94525

S#	DESCRIPTION	[Schedule]	PAID
1	Standby Reciprocating engine, 94 hp, Ford, 330 cu in TRANSITION STATION STANDBY GENERATOR	[B,730 days]	1430

1 Permitted Source

*** See attached Permit Conditions ***

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.

RECEIVED
JAN 25 2017
CROCKETT COGENERATION

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

This document does not permit the holder to violate any BAAQMD regulation or any other law.

PERMIT EXPIRATION DATE
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*** PERMIT CONDITIONS ***

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COND# 19181 *applies to S# 1*

Conditions for LPG powered Engine S-1 at Plant #13937

1. This engine is subject to the requirements of Regulation 9, Rule 1 ("Sulfur Dioxide"), and the requirements of Regulation 6 ("Particulate and Visible Emissions"). This engine may be subject to other District regulations, including Regulation 9, Rule 8 ("NOx and CO from Stationary Internal Combustion Engines") in the future.
[basis: Regulation 9, Rule 1; Regulation 6]

2a. This engine shall be operated for no more than 100 hours in any consecutive 12 month period for the purpose of reliability testing or in anticipation of imminent emergency conditions. Emergency conditions are defined in Regulation 9-8-231:
231.1 In the event of loss of regular natural gas supply
231.2 In the event of failure of regular electric power supply
231.3 Flood mitigation
231.4 Sewage overflow mitigation
231.5 Fire
231.6 Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
[Regulation 9, Rule 8]

2b. This engine may be operated for an unlimited amount of time for the purpose of providing emergency standby power during emergency conditions (as defined in Part 2a). [Regulation 2, Rule 1]

3a. This engine shall be equipped with a non-rsettable totalizing counter which records hours of operation. [basis: Recordkeeping]

3b. The following monthly records shall be maintained in a District-approved log for at least 2 years and shall be made available to the District upon request:
1) total hours of operation
2) Hours of operation under emergency conditions and a description of the nature of each emergency condition
3) fuel usage at this engine

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

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[basis: Recordkeeping]

~~~~~~~~~~~~~~~~~~~~~~~~~~~ END OF CONDITIONS ~~~~~~~~~~~~~~~~~~~~~~~~~~~
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S#	Source Description	Annual Average lbs/day PART	ORG	NOx	SO2	CO
1	TRANSITION STATION STANDBY GENERATOR	-	-	.05	-	.11
	T O T A L S			.05		.11

ATTACHMENT 3

Figure 1. Driveway Entrance

Figure 2. Viewing Plaza Parking Area and Landscaping

Figure 3. Looking North over the Viewing Plaza

Figure 4. Looking South at the Viewing Plaza Landscaping

Figure 5. Interpretive Sign about Cogeneration

Figure 6. Interpretive Sign about Crockett History

Figure 7. Interpretive Sign about the Carquinez Strait

Figure 8. Looking West down Loring Avenue

Figure 9. Looking East up Loring Avenue

ATTACHMENT 4

CROCKETT COGENERATION PROJECT
2018 COMPLIANCE MATRIX

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
AQ-1 Decision P. 54	Before implementing any major change in the Air Emissions Control System, the owner/operator shall submit the proposed change to the California Energy Commission (CEC) Compliance Project Manager (CPM) for approval. Examples of major changes are the use of alternative air pollution control equipment, emission monitoring system, or a significant change in the performance criteria.	One hundred and twenty (120) days before implementing any major change, the owner/operator shall submit to the BAAQMD (AKA District) and the CEC CPM the design details of the proposed changes and a discussion of the potential change in air emissions from the project. The owner/operator shall receive written approval from the CEC CPM prior to implementing any major change.	As Required	Submitted notification on duct burner project on 9/30/02. Submitted ATC duct burner project on12/11/02.
AQ-2 Decision P. 54	The owner/operator shall obtain a Permit to Operate from the District as required by the District's rules and regulations. The conditions for the Permit to Operate shall be consistent with the CEC Decision Conditions of Certification.	The owner/operator shall submit a copy of the District Permit to Operate to the CEC CPM within ten (10) working days after it is issued by the District.	Annually	Completed. Submitted PTO No. 4479 for the Transition Station Standby Generator.
AQ-10.1	During the PG&E Firm Capacity Demonstration Test, the daily heat input rates for individual sources shall not exceed the limits set forth in Table 1.1 below. This demonstration test shall be performed only once and shall not continue for more than 10 consecutive days. This condition only applies during the Demonstration Test.			Completed
AQ-11.1	During the PG&E Firm Capacity Demonstration Test, the daily heat input rates for combined sources shall not exceed the limits set forth in Table 2.1 below. This demonstration test shall be performed only once and shall not continue for more than 10 consecutive days. This condition only applies during the Demonstration Test.			Completed
AQ-35.1	During the PG&E Firm Capacity Demonstration Test, emissions from the project (S-201, S-202, S-203, S-204, and S-205) shall not exceed the limits specified in Table 5.1, during any calendar day. This demonstration test shall be performed only once and shall not continue for more than 10 consecutive days. This condition applies only during the Demonstration Test.			Completed

CROCKETT COGENERATION PROJECT
2018 COMPLIANCE MATRIX

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
AQ-37	The stack heights of the emission points (P-201, P-203, P-204, and P-205) shall be at least 243 feet above mean sea level (approximately 230 feet above grade level at the stack base.)		Complete	Completed
AQ-38	Prior to initial operation of (S-201, S-202, S-203, S-204, and S-205), the Applicant shall install, calibrate, and operate a District approved continuous monitoring and recording system for oxides of nitrogen, carbon monoxide, and either oxygen or carbon dioxide for each emission point (P-201, P-203, P-204, and P-205). The Applicant shall also obtain BAAQMD approval of the location and number of these monitors.		Complete	Completed
AQ-39	Prior to initial operation of S-201, S-202, S-203, S-204, and S-205, the Applicant shall install, calibrate, and operate a District approved continuous monitoring and recording system for inlet temperature to the Oxidation Catalysts (A-201, A-203, A-205, and A-207) and the SCR Systems (A-202, A-204, A-206, and A-208). The Applicant shall also obtain District approval of the location and numbers of these monitors.		Complete	Completed
AQ-40	Prior to initial operation of (S-201, S-202, S-203, S-204, and S-205), the Applicant shall install, calibrate, and operate a BAAQMD approved continuous monitoring and recording system for fuel consumption at each source (S-201, S-202, S-203, S-204, and S-205).		Complete	Completed
AQ-41	The Applicant shall provide stack sampling ports and platforms, the location of which shall be subject to BAAQMD's approval.		Complete	Completed
AQ-45	Within 180 days of the issuance of the Authority to Construct, the Applicant shall contact the BAAQMD's Technical Services Division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests required by Conditions		Complete	Completed

CROCKETT COGENERATION PROJECT
2018 COMPLIANCE MATRIX

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
	AQ-38 through AQ-44. All source testing and monitoring shall be conducted according to the BAAQMD's Manual of Procedures.			
AQ-47	Within no later than 90 days from the initial start up date of the project, the C&H Sugar refinery Boilers (S-131, S-135, and S-136) shall be shut down and permanently disabled, and the Permits to Operate for these Boilers shall be surrendered to the BAAQMD; provided, however, that upon notice from the Applicant that its contractor requires integrated plant testing on a schedule extending greater than 90 days, the date for disabling the C&H boilers shall be extended for a period stated in such notice, not exceeding an additional 90 days.		Complete	Completed
AQ-49	Applicant shall obtain emission offsets in the amount of 193.02 tons/year of Nitrogen Oxides and 64.35 tons/year of Precursor Organic Compounds. Applicant shall exert its best efforts to obtain a portion of these offsets from the north Bay Area.		Complete	Completed
AQ-101	The S-201 Gas Turbine and S-202 Heat Recovery Steam Generator (HRSG) shall be fired on natural gas exclusively. (BACT for SO_2 and PM_{10})	The owner/operator shall submit to the California Energy Commission (CEC) Compliance Project Manager (CPM) an Air Quality Report every January and July. The Air Quality Report shall include two components: an exceptions report, and a complete data report. The exceptions report shall be written, and shall identify all instances where any of the Conditions of Certification have not been met. The complete data report shall be submitted in electronic form, and shall contain all of the data required to demonstrate compliance with the daily and annual limitations on heat inputs and air pollutant emissions.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.
AQ-102	The heat input rate to the Gas Turbine shall not exceed 1,780 million BTU per hour, averaged over any rolling 3-hour period. If approved and adopted by the District, the heat input rate to the Gas	As part of the Air Quality Reports, the owner/operator shall include information on the date and time when the hourly fuel consumption exceed this hourly limit. The owner/operator shall provide	As Required	

CROCKETT COGENERATION PROJECT
2018 COMPLIANCE MATRIX

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
	Turbine shown above shall be increased to the level adopted by the District as long as that level does not exceed 1,935 million BTU per hour. (Cumulative Increase)	the CEC CPM with notice of any District adopted increase in the Gas Turbine fuel input limit at most ten working days after this change is approved and adopted by the District.		
AQ-103	The heat input rate to the HRSG shall not exceed 349 million BTU per hour, averaged over any rolling 3-hour period. (Cumulative Increase)	As part of the Air Quality Reports, the owner/operator shall include information on the date and time when the hourly fuel consumption exceed this hourly limit.	As Required	The heat input limit for the HRSG Duct Burners was changed with the renewal of the Title V permit issued 11/18/2008. The new HRSG heat input limit is 288.9 MMBTU per hour.
AQ-104	The combined heat input rate to the Gas Turbine and HRSG shall not exceed 2,129 million BTU per hour, averaged over any rolling 3-hour period. (PSD for NO_x)	As part of the Air Quality Reports, the owner/operator shall include information on the date and time when the hourly fuel consumption exceed this hourly limit.	As Required	
AQ-105	The combined heat input rate to the Gas Turbine and HRSG shall not exceed 51,096 million BTU per calendar day. (PSD for PM_{10})	As part of the Air Quality Reports, the owner/operator shall include information on the date when the daily fuel consumption exceed this limit.	As Required	
AQ-106	The combined heat input rate to the Gas Turbine and HRSG shall not exceed 15,613,000 million BTU per calendar year. (Offsets)	As part of the Air Quality Reports, the owner/operator shall include information on the date after which this annual limit was exceeded.	As Required	
AQ-107	The HRSG shall not be operated unless the Gas Turbine is operating. (BACT for NO_x, CO, POC)	As part of the Air Quality Reports, the owner/operator shall include information on the hours and dates when this condition was violated.	As Required	
AQ-108	The Gas Turbine and HRSG shall be abated by the properly operated and properly maintained Oxidizing Catalyst (A-201) and Selective Catalytic Reduction System (A-202), in series. (BACT and TRMP)	As part of the semi-annual Air Quality Reports, the owner/operator shall provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction System for the Gas Turbine and HRSG. The information shall include at a minimum the date and description of the problem and the steps taken to resolve the problem.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.
AQ-109 AQ-109	The owner/operator of the S-201 Gas Turbine and S-202 HRSG shall meet all of the requirements listed in "a" through "f" below, except during a Gas Turbine Startup or a Gas Turbine Shutdown. (BACT, TRMP, and PSD) a) Nitrogen oxide emissions at P-201 (the combined exhaust point for the S-201 Gas Turbine and the S-202 HRSG	As part of the semi-annual Air Quality Reports, the owner/operator shall indicate the date, time, and duration of any violation of this Condition. The owner/operator shall also include quantitative information on the severity of the violation, e.g. if the minimum temperature before the oxidizing catalysts was lower than 550 deg F, the	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
	after control by the A-201 and A-202 Catalysts) shall not exceed 39.2 pounds per hour, calculated as NO_2 and averaged over any rolling 3-hour period. (PSD for NO_x) b) The nitrogen oxide concentration at P-201 shall not exceed 5.0 ppmv, corrected to 15% oxygen on a dry basis, and averaged over any rolling 3-hour period. (BACT for NO_x) c) Carbon monoxide emissions at P-201 shall not exceed 46.6 pounds per hour, averaged over any rolling 3-hour period. (PSD for CO) d) The carbon monoxide concentration at P-201 shall not exceed 10.0 ppmv, corrected to 15% oxygen on a dry basis and averaged over any rolling 3-hour period. (BACT for CO) e) The temperature of the A-201 Oxidizing Catalyst shall be maintained at a minimum of 550 deg F. (TRMP for formaldehyde, benzene, and PAH's) f) Ammonia (NH_3) emissions at P-201 shall not exceed 20 ppmv, corrected to 15% oxygen on a dry basis and averaged over any rolling 3-hour period. (TRMP for NH_3)	owner/operator should report the average and minimum temperatures measured and the duration of the violation.		
AQ-110	The Auxiliary Boilers (S-203, S-204, and S-205) shall be fired on natural gas exclusively. (BACT for SO_2 and PM_{10})	As part of the Air Quality Reports, the owner/operator shall include information on the dates when this condition was violated.	As Required	
AQ-111	The heat input rate to each Auxiliary Boiler (S-203, S-204, or S-205) shall not exceed 376 million BTU per hour, averaged over any rolling 3-hour period. (Cumulative Increase)	As part of the Air Quality Reports, the owner/operator shall include information on the date and time when the hourly fuel consumption exceed this hourly limit.	As Required	
AQ-112	The combined heat input rate to the Auxiliary Boilers (S-203, S-204, and S-205) shall not exceed 18,048 million BTU per calendar day. (PSD for PM_{10})	As part of the Air Quality Reports, the owner/operator shall include information on the date when the daily fuel consumption exceed this limit.	As Required	
AQ-113	The combined heat input rate to the Auxiliary Boilers (S-203, S-204, and S-205) shall not exceed 6,575,000 million BTU per calendar year. (Offsets)	As part of the Air Quality Reports, the owner/operator shall include information on the date after which this annual limit was exceeded.	As Required	
AQ-114	The S-203 Auxiliary Boiler shall be abated by the properly operated and	As part of the semi-annual Air Quality Reports, the owner/operator shall	January	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.

NUMBER	CONDITION	VERIFICATION	DUE DATE	COMMENTS / STATUS
	properly maintained Oxidizing Catalyst (A-203) and Selective Catalytic Reduction System (A-204), in series. (BACT and TRMP)	provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction System for the Auxiliary Boilers. The information shall include at a minimum the date and description of the problem and the steps taken to resolve the problem.	and July	
AQ-115	The S-204 Auxiliary Boiler shall be abated by the properly operated and properly maintained Oxidizing Catalyst (A-205) and Selective Catalytic Reduction System (A-206), in series. (BACT and TRMP)	As part of the semi-annual Air Quality Reports, the owner/operator shall provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction System for the Auxiliary Boilers. The information shall include at a minimum the date and description of the problem and the steps taken to resolve the problem.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.
AQ-116	The S-205 Auxiliary Boiler shall be abated by the properly operated and properly maintained Oxidizing Catalyst (A-207) and Selective Catalytic Reduction System (A-208), in series. (BACT and TRMP)	As part of the semi-annual Air Quality Reports, the owner/operator shall provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction System for the Auxiliary Boilers. The information shall include at a minimum the date and description of the problem and the steps taken to resolve the problem.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.
AQ-117 AQ-117	The owner/operator of the Auxiliary Boilers (S-203, S-204, and S-205) shall meet all of the requirements listed in "a" through "f" below, except during an Auxiliary Boiler Startup or an Auxiliary Boiler Shutdown. (BACT, TRMP, and PSD) a) Nitrogen oxide emissions at P-202, P-203, or P-204 (the exhaust point for each Auxiliary Boiler after control by the Oxidizing Catalyst and SCR Catalyst) shall not exceed 3.7 pounds per hour, calculated as NO_2 and averaged over any rolling 3-hour period. (PSD for NO_x) b) The nitrogen oxide concentration at P-202, P-203, or P-204 shall not exceed 8.2 ppmv, corrected to 3% oxygen on a dry basis, and averaged	As part of the semi-annual Air Quality Reports, the owner/operator shall indicate the date, time, and duration of any violation of this Condition. The owner/operator shall also include quantitative information on the severity of the violation.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.

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	over any rolling 3-hour period. (BACT for NO_x) c) Carbon monoxide emissions at P-202, P-203, or P-204 shall not exceed 3.0 pounds per hour, averaged over any rolling 3-hour period. (PSD for CO) d) The carbon monoxide concentration at P-202, P-203, or P-204 shall not exceed 11.0 ppmv, corrected to 3% oxygen on a dry basis and averaged over any rolling 3-hour period. (BACT for CO) e) The temperature of the Oxidizing Catalysts (A-203, A-205, and A-207) shall be maintained at a minimum of 430 deg F. (TRMP for formaldehyde, benzene, and PAH's) f) Ammonia (NH_3) emissions at P-202, P-203, or P-204 shall not exceed 20 ppmv, corrected to 3% oxygen on a dry basis and averaged over any rolling 3-hour period. (TRMP for NH_3)			
AQ-118	The combined heat input rate to the Gas Turbine (S-201), HRSG (S-202), and Auxiliary Boilers (S-203, S-204, and S-205) shall not exceed 57,544 million BTU per calendar day. (PSD, CEC Offsets)	As part of the Air Quality Reports, the owner/operator shall include information on the date when the daily fuel consumption exceeds this limit.	As Required	
AQ-119	The combined heat input rate to the Gas Turbine (S-201), HRSG (S-202), and Auxiliary Boilers (S-203, S-204, and S-205) shall not exceed 19,023,000 million BTU per calendar year. (Offsets)	As part of the Air Quality Reports, the owner/operator shall include information on the date after which this annual limit was exceeded.	As Required	
AQ-120	Emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205), including emissions generated during Gas Turbine Startups, Gas Turbine Shutdowns, Auxiliary Boiler Startups, and Auxiliary Boiler Shutdowns, shall not exceed the following limits during any calendar day: a) 969.7 pounds of NO_x (as NO_2) per day (CEC Offsets) b) 745.0 pounds of CO per day (Cumulative Increase)	As part of the semi-annual Air Quality Reports, the owner/operator shall indicate the date of any violation of this Condition. The owner/operator shall also include quantitative information on the severity of the violation.	January and July	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.

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AQ-120	c) 352.6 pounds of POC (as CH_4) per day (CEC Offsets) d) 329.1 pounds of PM_{10} per day (PSD) e) 48.5 pounds of SO_2 per day (Cumulative Increase)			
AQ-121	Emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205), including emissions generated during Gas Turbine Startups, Gas Turbine Shutdowns, Auxiliary Boiler Startups, and Auxiliary Boiler Shutdowns, shall not exceed the following limits during any calendar year: a) 160.85 tons of NO_x (as NO_2) per year (Offsets, PSD) b) 73.27 tons of CO per year (Cumulative Increase) c) 48.45 tons of POC (as CH_4) per year (Offsets) d) 58.19 tons of PM_{10} per year (PSD) e) 8.01 tons of SO_2 per year (Cumulative Increase)	As part of the Air Quality Reports, the owner/operator shall include information on the date after which these annual limits were exceeded.	As Required	
AQ-122	Maximum projected annual emissions from the Gas Turbine, HRSG, and three Auxiliary Boilers combined (S-201, S-202, S-203, S-204, and S-205) shall not exceed the following limits: a) 4318.6 pounds of formaldehyde per year b) 116.1 pounds of benzene per year c) 78.7 pounds of Specified PAH's per year during any calendar year, unless the owner/operator meets the requirements of (d), (e), and (f) below: d) The owner/operator shall perform a risk analysis using the emission rates determined by source test and the most current Bay Area Air Quality Management District (District) approved procedures and unit risk factors in affect at the time of the analysis. The cancer risk calculated by this first analysis shall not exceed either 4 in one million or the maximum allowable	Receipt and approval by the District and the CEC CPM of the reports required in this Condition will constitute a verification of compliance with this Condition.	Report Annually	

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AQ-122	risk (considering the use of TBACT) under the Risk Management Policy in effect at the time of the analysis, whichever is greater. e) The owner/operator shall perform a second risk analysis using the emission rates determined by source test and the procedures and unit risk factors in effect when the Determination of Compliance was issued. The cancer risk calculated from this second risk analysis shall not exceed 4 in one million. f) Both of these risk analyses shall be submitted to the District and the CEC CPM with 60 days of the source test date. The owner/operator may request in this submittal that the District and the CEC CPM revise the carcinogenic compound emission limits specified above. If the owner/operator demonstrates to the satisfaction of the APCO that these revised emission limits will satisfy the conditions stated in parts (d) and (e) above, the District and the CEC CPM may then (at the discretion of the APCO and the CEC CPM) adjust the carcinogenic compound emission limits listed above. (TRMP)			
AQ-123	The owner/operator shall demonstrate compliance with Conditions #102-#108, #109.a.-#109.e., #111-#116, #117.a.-$117.e., #118, #119, #120.a., #120.b., #121.a., and #121.b. by using properly operated and properly maintained continuous monitors (during all hours of operation including equipment Startup and Shutdown periods) for all of the following parameters: a) Firing Hours and Fuel Flow Rates at each of the following sources: S-201, S-202, S-203, S-204, and S-205. b) Oxygen (O_2) Concentrations, Nitrogen Oxides (NO_x) Concentrations, and Carbon Monoxide (CO) Concentrations at each of the following	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as verification of this condition.	Daily Report in SS Office.	

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AQ-123	stacks: P-201, P-202, P-203, and P-204. c) Inlet Temperatures at each of the following abatement devices: A-201, S-203, A-205, and S-207. The owner/operator shall record all of the above parameters every 15 minutes (excluding normal calibration periods) and shall summarize all of the above parameters for each clock hour. For each calendar day, the owner/operator shall calculate and record the total Firing Hours and the average hourly Fuel Flow Rates, Concentrations, and Temperatures. The owner/operator shall use the parameters measured above and District approved calculation methods to calculate the following parameters: d) Heat Input Rate at each of the following sources: S-201, S-202, S-203, S-204, and S-205. e) Corrected NO_x Concentrations, NO_x Emissions measured as NO_2, Corrected CO Concentrations, and CO Emissions at each of the following stacks: P-201, P-202, P-203, and P-204. For each source or stack, the owner/operator shall record the above parameters (123.d. and 123.e.) every 15 minutes (excluding normal calibration periods). For each source, the owner/operator shall calculate and record the total Heat Input Rate for every clock hour and the average hourly Heat Input Rate for every rolling 3-hour period. For each calendar day, the owner/operator shall calculate and record, on an hourly basis, the cumulative total Heat Input Rate since 12:00 a.m. for; each source; the Gas Turbine and the HRSG Combined; the three Auxiliary Boilers Combined; and all five sources (S-201, S-202, S-203, S-204, and S-205) combined. The owner/operator shall calculate and			

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AQ-123	record the average NO_x Emissions, CO Emissions, and Corrected NO_x and CO Concentrations for every clock hour and for every rolling 3-hour period. For each calendar day, the owner/operator shall calculate and record, on an hourly basis, the cumulative total NO_x emissions and cumulative total CO emissions, since 12:00 a.m., for : each source; the Gas Turbine and the HRSG combined; the three Auxiliary Boilers combined; and all five sources (S-201, S-202, S-203, S-204, and S-205) combined. For each calendar day, the owner/operator shall calculate and record the average hourly: Heat Input Rates, Corrected NO_x Concentrations, NO_x Emissions, corrected CO concentrations, and CO emissions; for each source. For each calendar year, the owner/operator shall calculate and record, on a daily basis, the cumulative total NO_x emissions and cumulative total CO Emissions, since January 1 at 12:00 a.m., for all five sources (S-201, S-202, S-203, S-204, and S-205) combined. (1-520.1, 9-9-501, BACT, Offsets, NSPS, PSD, Cumulative Increase)			
AQ-124	In order to demonstrate compliance with Conditions #120.c.-#120.e., and #121.c.-#121.e., the owner/operator shall calculate (on a daily basis): the Precursor Organic Compound (POC) Emissions, Fine Particulate Matter (PM_{10}) Emissions, and Sulfur Dioxide (SO_2) Emissions; from each source. The owner/operator shall use the actual Heat Input Rates calculated for Condition #123, actual Gas Turbine Startup Times, actual Gas Turbine Shutdown Times, and District approved emission factors to calculate these emissions. For each calendar day, POC, PM_{10}, and SO_2 Emissions shall be summarized for: the Gas Turbine and HRSG combined; the three	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as verification of this condition.	Annually	

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AQ-124	Auxiliary Boilers Combined; and the five sources (S-201, S-202, S-203, S-204, and S-205) combined. For each calendar year, the owner/operator shall calculate and record (on a daily basis) the cumulative total POC, PM_{10}, and SO_2 Emissions, since January 1 at 12:00 a.m., for all five sources (S-201, S-202, S-203, S-204, and S-205) combined. (Offsets, PSD, Cumulative Increase)			
AQ-125	In order to demonstrate compliance with Conditions #109.f. and #117.f., the owner/operator shall determine the Corrected Ammonia (NH_3) Concentration and NH_3 Emissions in a stack (P-201, P-203, P204, or P-205) using either District approved emission calculation methods or District approved source test methods. Ammonia Concentration and Emissions shall be calculated and recorded for any hours that the owner/operator suspects that ammonia concentration may have exceeded the limits in #109.f. or #117.f. In addition, District and the CEC CPM staff may, at any time, request the owner/operator calculate Ammonia Concentration and Emissions to verify compliance with Conditions #109.f. and #117.f. (TRMP)	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as verification of this condition.		
AQ-126	In order to demonstrate compliance with Condition #122, the owner/operator shall calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAH's. Maximum projected annual emissions shall be calculated using the maximum Heat Input Rate of 19,023,000 MM BTU/year and the highest emission factor (pounds of pollutant per MM BTU of Heat Input) determined by any source test at the Gas Turbine, HRSG, or Auxiliary Boilers. (TRMP)	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as verification of this condition.	Annually	
AQ-127	In order to demonstrate compliance with Conditions #109, #120, and #123,	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as	Annually	

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AQ-127	the owner/operator shall conduct, on an annual basis, a District approved source test on stack P-201 while the S-201 Gas Turbine and S-202 Heat Recovery Steam Generator are operating at maximum allowable operating rates. The owner/operator shall test for (as a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and emissions, particulate matter (PM_{10}) emissions, and ammonia concentration. The owner/operator shall also meet all applicable testing requirements specified in Volume V of the District's Manual of Procedures for continuous emissions monitors. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days before the test is to begin. Source test results shall be submitted to the District and the CEC CPM within 30 days of conducting the tests.	verification of this condition.		
AQ-128	In order to demonstrate compliance with Conditions #117, #120, and #123, the owner/operator shall conduct, on an annual basis, a District approved source test on either stack P-202, P-203, or P-204 while the associated Auxiliary Boiler (S-203, S-204, or S-205) is operating at maximum allowable operating rates. The owner/operator shall ensure that each Auxiliary Boiler is tested at least once every five years. The owner/operator shall test for (as a minimum): water content, stack gas flow rate, oxygen concentration, precursor organic compound concentration and emissions, particulate matter (PM_{10}) emissions,	Compliance with Conditions AQ-131 and AQ-132 shall be deemed as verification of the condition.	Source Test every year.	

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AQ-128	and ammonia concentration. The owner/operator shall also meet all applicable testing requirements specified in Volume V of the District's Manual of Procedures for continuous emissions monitors. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days before the test is to begin. Source test results shall be submitted to the District and the CEC CPM within 30 days of conducting the tests.			
AQ-129	In order to demonstrate compliance with Conditions #122 and #125, the owner/operator shall conduct, on a biennial basis, a District approved source test on stack P-201 while the S-201 Gas Turbine and S-202 Heat Recovery Steam Generator are operating at maximum allowable operating rates. Unless the requirements of 129.b. have been met, the owner/operator shall determine the formaldehyde, benzene, and Specified PAH emission rates (in pounds/MM BTU). If any of the above pollutants are not detected (below the analytical detection limit), the emission concentration for that pollutant shall be deemed to be one half (50%) of the detection limit concentration. a) The owner/operator shall calculate the maximum projected annual emission rate for each pollutant by multiplying the pollutant emission rate (pounds/MM BTU) determined from the source test by 19,023,000 MM BTU/year. b) If three consecutive biennial source tests demonstrate that the emission rates for benzene and total Specified	The owner/operator shall notify the District and the CEC CPM within seven (7) working days before the owner/operator plans to conduct source testing as required by this condition. Source test results shall be submitted to the District and the CEC CPM within thirty (30) days of conducting the test.	Biennial Source Test	Requirements for 129.b were met as of the year 2000 source test.

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AQ-129	PAH's are less than the maximum projected annual emission rates shown below, then the owner/operator may discontinue future testing for that pollutant: Benzene less than or equal to 80.0 pounds/year Specified PAH's less than or equal to 7.0 pounds/year (TRMP)			
AQ-130	The owner/operator shall submit all reports (such as: monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual. (2-6-502)	Submittal of the reports to the CEC CPM constitutes verification of compliance of this condition. All reports shall be submitted to the CEC CPM within thirty (30) days after they are due according to District Rules and Regulations.	Monthly	
AQ-131	The owner/operator shall maintain all records and reports on site for a minimum of 5 years. These records shall include, but are not limited to: continuous monitoring records (firing hours, fuel flows, emissions, temperatures, monitor excesses, breakdowns, etc.), source test and analytical records, emission calculation records, records of plant upsets and related incidents. The owner/operator shall make all records and reports available to District and the CEC CPM staff upon request. (2-6-501)	During site inspection, the owner/operator shall make all records and reports available to the District, California Air Resources Board, and CEC staffs.	As required	In Admin Files
AQ-132	The owner/operator shall notify the District and the CEC CPM of any violations of these Permit Conditions. Notification shall be submitted within a timely manner and in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. If the notification and reporting requirements for a particular permit condition violation are not explicitly described in a District Rule, Regulation, or the Manual of	As part of the Air Quality Reports, the owner/operator shall include information on the dates when these violations occurred and when the owner/operator notified the District and the CEC CPM.	As required	

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	procedures, the owner/operator shall submit written notification (facsimile is acceptable) to the Enforcement Division within no later than 96 hours from the first occurrence of the violation.			
Additional California Energy Commission's Permit Conditions: These conditions are not included in the District's Permit to Operate.				
AQ-133	Emissions, averaged over any rolling three hour period, shall not exceed the limits described in the table below, except during start up or shut down periods.	This permit Condition will be verified with the implementation of Condition AQ-131 and AQ-132. For POC, PM_{10}, and SO_2 compliance with this condition can be demonstrated with the emission factors developed during the annual source test of conditions AQ-127 and AQ-128 which together with the maximum hourly heat input rates of conditions AQ-102, AQ-103, AQ-104, and AQ-111 will ensure compliance with the hourly emission levels of this condition.	As required	
	Controlled Emission Limits (lb/hr) Excluding Start Up and Shut Down Periods Source Numbers — POC — PM_{10} — SO_2 S-201 — 2.8 — 8.7 — 1.5 S-201 + S-202 — 12.9 — 10.8 — 1.8 S-203 or S-204 or S-205 — 0.9 — 2.25 — 0.3 S-201 + S-202 + S-203 + S-204 + S-205 — 14.5 — 14.9 — 2.4			
AQ-134	The emissions rates from the Gas Turbine during a start up or shut down of the gas turbine shall not exceed the limits established in table below. These limits apply to any 60 minute period, not a three hour average.	This permit Condition will be verified with the implementation of Condition AQ-120 and AQ-121. In addition, in the semi-annual Air Quality Reports, the owner/operator shall indicate the date, times and duration of any violation to the NO_x or CO limits presented in this Condition.	Monthly	Semi-annual reporting requirement changed to monthly reporting in letter dated November 17, 1997.
	TABLE GAS TURBINE EMISSION LIMITS During a Start up or Shut Down Pollutant — Start Up (lbs/hr) — Shut Down (lbs/hr) Oxides of Nitrogen (NO_x) — 160 — 55 Carbon Monoxide (CO) — 430 — 235			
BIO-2	The Applicant shall institute an	Prior to and during construction and	1/1/94	Booklet and video tape submitted on 1/17/94.

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Decision P. 246 BIO-2	employee environmental awareness program in which each of its own employees, as well as employees of contractors and subcontractors who work on the project site during construction and operation, are informed about biological resource sensitivities associated with the project. This program shall be developed by the designated biologist and consist of on-site or classroom presentations in which supporting written material is made available e to all participants. This specific program can be administered by a competent individual acceptable to the designated biologist and the CEC CPM. All participants in the environmental awareness program shall sign an affidavit declaring that the individual understands and will adhere to any guidelines set forth in the program material. The signed affidavits shall be kept on file at the work site and made available for examination by the CEC CPM for a period of at least six months after the start of commercial operation.	operation of the project, the CEC CPM or designee will determine via telephone or through visits to the project site, as deemed necessary, whether or not the Applicant has complied with this Condition. If the Applicant has not complied with all aspects of this Condition, the CEC CPM will notify the Applicant of making this determination. Until the Applicant corrects any identified problem, construction and operations activities by untrained people will be halted in areas specifically identified by the CEC CPM or designee as appropriate to assist in resolving the problem. For any necessary corrective action taken by the Applicant, a determination of success or failure of such action will be made by the CEC CPM after receipt of notice that corrective action is completed, or the Applicant will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.		Completed 12/96. Environmental training refreshed each year.
BIO-3 Decision P. 247	While installing the transmission line and natural gas pipelines the Applicant shall have any open portions of the trench covered, if left unattended, in order to prevent any animals, particularly the Alameda whipsnake, from becoming trapped in the trench. At the beginning of each work period, all trenches left unfilled from a previous period's work shall be checked by a person who has been made aware of the potential biological sensitivities in the construction area. This individual shall remove any animal found in the trench and release it out of harm's way, except that if any listed species is found, work shall immediately stop until the Applicant's designated biologist is	Prior to and during construction and operation of the project, the CEC CPM or designee will determine via telephone or through visits to the project site, as deemed necessary, whether or not the Applicant has complied with this Condition. If the Applicant has not complied with all aspects of this Condition, the CEC CPM will notify the Applicant of making this determination. Until the Applicant corrects any identified problem, construction activities will be halted in areas specifically identified by the CEC CPM or designee as appropriate to assist in resolving the problem.	As Required	Completed.

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BIO-3	notified and the designated biologist, upon consultation with appropriate regulatory agency representatives, is able advise the construction foreman on the proper action to take. A prearranged protocol may be established and approved by the appropriate agencies as a contingency measure. If such a protocol is set up, a written copy signed by all parties shall be delivered to the CEC CPM within ten working days.	For any necessary corrective action taken by the Applicant, a determination of success or failure of such action will be made by the CEC CPM after receipt of notice that corrective action is completed, or the Applicant will be notified by the CEC CPM that coordination with other agencies will require additional time before a determination can be made.		
CUL-5 Decision P. 259	The Applicant shall ensure the recovery, preparation for analysis, analysis and delivery for curation of all collected significant cultural resource materials encountered during data recovery and mitigation activities at the Crockett Cogeneration site and areas of excavation for project-related gas and electric transmission lines, (See Protocol)	The Applicant shall maintain in its compliance files copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists which will ensure the necessary recovery, preparation for analysis, analysis, and delivery for curation of cultural resource materials collected during data recovery and mitigation for the project. The Applicant shall keep these files available for inspection by the CEC CPM for a period of at least two years from the date of each agreement.	As Required	File A16.1.3
DECOM-1 Decision P. 299	At least 12 months prior to commencing decommissioning activities, the Applicant shall file a decommissioning plan with the CEC for approval. The plan shall: 1) identify and discuss the proposed decommissioning activities and schedule for the power plant site, transmission line corridor, and all other appurtenant facilities constructed as part of the project; 2) address conformance of the plan with all applicable laws, ordinances, standards, and local/regional plans in existence at the time of decommissioning; 3) contain an analysis of all decommissioning alternatives considered; and 4) discuss the reasons for selecting the proposal. Prior to submittal of the	At least 12 months (or other mutually agreed upon time) prior to commencing decommissioning activities at the Crockett Cogeneration facility, the Applicant shall concurrently file the decommissioning plan with the CEC, the Contra Costa County Planning Department and other interested agencies. At least six months (or other mutually agreed upon time) prior to filing the decommissioning plan, the Applicant shall request in writing that the staff schedule a prefiling workshop to determine specific contents of the plan.	As Required	

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DECOM-1	decommissioning plan a prefiling workshop shall be held between the Applicant and the CEC staff for the purpose of determining the specific contents of the plan. In the event that significant issues are associated with the plan's approval, or the desires of local officials or interested parties are inconsistent with the plan, the CEC shall hold workshops and/or public hearings as part of its approval procedure. The Applicant shall not commence decommissioning activities until CEC approval of the decommissioning plan is obtained, and the Applicant shall comply with any requirements the CEC may incorporate as a condition of approval of the decommissioning plan.			
FDGN-33 95-0412-02 P. 5	Improvements Within the Total Public Access Area. The project owner shall complete the construction of the public access area and make it available for public use within six months of the project's commercial operation. The public access area shall generally include the following improvements equivalent to that shown on Exhibit A of the San Francisco Bay Conservation and Development Commission (BCDC) report to the Commission dated August 18, 1994: (1) Parking (six spaces, at least one of which would be handicapped accessible); (2) An approximately 2000-square-foot landscaped plaza; (3) An entry sign, and two or three interpretive signs describing the cogeneration plant operations, sugar refinery operations, and historical information about the Carquinez Strait.	Upon completion of construction of the public access improvements, the applicant shall submit to the CPM and BCDC a notice of that completion.		Completed.

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	The cogeneration and refinery interpretive signs would be oriented to these two facilities, while the historical interpretive sign would overlook the Carquinez Strait.			
FDGN-35 95-0412-02 P. 7	Public Access: Conformity with Final Approved Plans. All public access work, improvements, and uses shall conform to the final approved plans. Prior to any use of the public access facilities authorized herein, the appropriate design professional(s) of record shall certify in writing that, through personal knowledge, the work covered by the authorization has been performed in accordance with the approved design criteria and in substantial conformance with the approved plans. No noticeable changes shall be made thereafter to any final plans or to the exterior of any constructed structure, outside fixture, lighting, landscaping, signage, landscaping, parking area, or shoreline protection work without first obtaining written approval of the change(s) by BCDC.	When the work described above conforms with all applicable requirements, the project owner shall provide a statement to the CPM, signed by the responsible engineer of record, confirming that the work complies with the applicable LORS, the approved plans, and with requirements set forth in the Energy Commission's Decision for the Crockett Cogeneration Project.		Completed.
FDGN-36 95-0412-02 P. 8	Public Access: Discrepancies between Approved Plans and Special Conditions. In case of any discrepancy between final approved plans and any condition of certification or legal instruments approved pursuant to this certification, the condition or the legal instrument shall prevail. The project owner is responsible for assuring that all plans accurately and fully reflect the conditions of this certification and any legal instruments submitted pursuant to this authorization or the BCDC authorization.	If a discrepancy is discovered during construction, the project owner shall, within five (5) days, prepare and submit the nature of the discrepancies to CBO and the CPM, and shall prepare a Non Conformance Report (NCR). The reports shall reference this condition of certification.		Completed.
GEN-1 Decision P 376	Applicant shall implement its proposed "Special Compliance Procedure" based on the concept identified within the General Provision of compliance contained in this section. The CEC CPM shall monitor Applicant's	The Commission Compliance Program Manager shall report quarterly to the Crockett Compliance Committee regarding compliance matters and construction progress on the Crockett Cogeneration project. The reports shall		Completed 5/97.

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	performance in carrying out the Special Compliance Procedure and include information on the effectiveness of the procedure along with other relevant compliance information in a quarterly report on the project to be presented to the Commission's newly created Crockett Compliance Committee composed of two Commissioners.	continue for one year beyond the date of commercial operation.		
HAZ-1 Decision P. 236	The Applicant shall not use any hazardous material in reportable quantities that is not listed in Table 4.3 of the AFC (Crockett 1992), unless approved by the California Energy Commission's (CEC) Compliance Project Manager (CPM).	The Applicant shall provide in the Annual Compliance Report a list of hazardous materials used at the facility in reportable quantities.	Annual Compliance Reports	Submitted each year in Annual Compliance Report.
HAZ-6 Decision P. 237	The Applicant shall submit the Business Plan required by California Health and Safety Code Chapter 6.95 to the CEC CPM, the local fire district, and the County Health Department for review and comment.	The Applicant shall submit to the CEC CPM prior to delivery of any hazardous material to the site: (1) copies of written comments from the local fire district and the County Health Department on the project's Business Plan, and (2) a copy of the revised Business Plan, if modified.	8/3/95 Completed	5/8/95 - Submitted to CEC 2/15/96 - Submitted modified Business Plan
LAND-1 Decision P. 220	Crockett Cogeneration shall not design or operate facilities to handle more than 4,000 tons of hazardous waste or 12,500 tons of hazardous materials per year, as contained in Chapter 84-63 (Land Use Permits for Development Projects Involving Hazardous Waste or Hazardous Material) of the Contra Costa County Ordinance Code for Planning and Zoning.	Crockett Cogeneration shall notify the CEC CPM in its Periodic Compliance Reports after the beginning of operation of the project, of the quantities of hazardous wastes and hazardous materials which it has handled during the reporting period.	Annual Compliance Report	Submitted each year in Annual Compliance Report.
LAND-9 95-0412-02 P. 2	The project owner shall enter into a Memorandum of Agreement (MOA) with the East Bay Regional Park District and the San Francisco Bay Conservation and Development Commission (BCDC) in the form attached to the project owner's Petition for Modification of Public Access Provisions of Certification. If the applicant enters into the MOA and makes the deposit of $438,664 as required in the MOA, the project owner shall not be required to comply with	The project owner shall submit to the CPM a copy of the executed MOA and shall keep the CPM informed of the progress on requirements of the MOA and shall report to the CPM any nonperformance of its obligations under the MOA.	Completed	1/13/95 - MOA Submitted to CEC

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LAND-9	Conditions of Certification LAND-3 through LAND-8 and FDGN-28 through FDGN-32. If the BCDC returns the deposited funds of $438,664 to the project owner because of the failure by the East Bay Regional Park District to implement its required actions under the MOA, then the project owner shall proceed to comply with Conditions of Certification LAND-3 through LAND-8 AND FDGN-28 through FDGN-32, except that such Conditions of Certification shall be modified to (1) extend that date of completion of the public access pier to a date twenty-two (22) months after the return of the funds, and (2) incorporate the provisions of Section II, paragraphs 1.d, 1.e, and 1.f of the revised BCDC report to the Commission dated August 18, 1994. In this case, the project owner shall not be required to comply with Conditions of Certification LAND-11 through LAND-16 and FDGN-33 through FDGN-36. The project owner shall perform its obligations under the MOA.			
LAND-11 95-0412-02 P. 3	The project owner shall make available an approximately 3,000-square-foot area, in the Loring Avenue parking lot adjacent to the C&H sugar bins, generally equivalent to that shown on Exhibit "A" of the BCDC report to the Commission, dated August 18, 1994, exclusively to the public for unrestricted public access for walking, viewing, and related purposes. If the project owner wishes to use the public access area for other than public access purposes, it shall obtain prior written approval by BCDC.	Six (6) months (or at a time that is mutually agreeable to the CPM and BCDC) after the start of commercial operation of the cogeneration plant, the project owner shall submit to the CPM evidence that an area equivalent to that shown on Exhibit "A" of the BCDC report to the Commission, dated August 18, 1994, is available exclusively to the public for the uses outlined above. If the project owner wishes to change, redesign, or use the public access area for other than public access purposes it shall notify the CPM that it is applying to BCDC for written approval, and shall keep the CPM informed of the results of that application.	9/30/96	Completed.
LAND-13 95-0412-02	The project owner shall, upon prior arrangement, conduct tours of the cogeneration facility for the public.	In its Annual Compliance Reports to the CPM, the project owner shall report requests for public tours and the dates	Annual Compliance Reports	Submitted each year in Annual Compliance Report.

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P. 4		upon which public tours were conducted.		
LAND-14 95-0412-02 P. 4 LAND-14	The areas and improvements within the total 3,000 square-foot area shall be permanently maintained by and at the expense of the project owner or its assignees. Such maintenance shall include, but is not limited to, repairs to all path surfaces, replacement of any plant materials deposited within the access areas, removal of any encroachments into the access areas, and assuring that the public access signs remain in place and visible. Within 30 days after notification by the CPM, the project owner shall correct any maintenance deficiency noted in a CPM or BCDC inspection of the site.	The project owner shall affirm in its annual compliance to the CPM report that it is maintaining the public access areas. The project owner shall verify in writing to the CPM that maintenance deficiencies have been corrected within 30 days of notification of such deficiencies.	Annual Compliance Reports	Submitted each year in Annual Compliance Report.
LAND-15 95-0412-02 P. 5	The project owner may transfer maintenance responsibility to a public agency or another party acceptable to the Commission (based upon the recommendation of BCDC) at such time as the property transfers to a new party in interest, but only provided that the transferee agrees in writing, acceptable to the Commission (based upon the recommendation of BCDC), to be bound by all terms and conditions of the permit.	The project owner shall receive written consent from the CPM (based upon the recommendation of BCDC) prior to the transfer of any maintenance responsibilities. The project owner shall maintain a copy of such a maintenance transfer agreement in its compliance files for the life of the project, and shall make the agreement available to the CPM upon request.	As Required	
LAND-16 95-0412-02 P. 5	The project owner may impose reasonable rules on the use of the areas required to be provided for public access provided such rules are first approved by the CPM (in consultation with BCDC) and do not significantly affect the public nature of the area nor unreasonably burden public use. Rules may include restricting hours of use and delineating appropriate behavior.	The project owner shall, 30 days prior to availability of the public access for public use, provide to the CPM for review and approval a copy of its proposed rules on the use on the public access areas.	8/30/94	Completed.
NOISE-1 Decision P. 175	The Applicant shall use the Noise Complaint Resolution Form submitted to CEC staff on June 12, 1992 (Data Response NOISE-1) to handle complaints made during the site clearing, construction or operation phases of the project. The Form	Prior to beginning construction and operation the Applicant shall submit to the CEC CPM a copy of the local newspaper article in which the telephone number and its purpose was identified. The Applicant shall file written records of noise complaints and	12/31/93 As Required	Notice published in January "Crockett Signal." Copy to CEC on 1/12/94.

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	includes procedures for logging complaints, identifying appropriate contact personnel, responding to complaints, and determining the nature of the problem. The Applicant shall publish a telephone number for receiving noise complaints. The telephone number shall be published in local newspapers prior to construction and operation. The Applicant shall contact the person(s) making the complaint within 24 hours, and promptly conduct an investigation to determine the nature and cause of a complaint, take all reasonable measures to resolve the complaint, and prepare a report documenting the complaint and actions taken. Each report shall include a summary of the complaint, plan for investigation and resolution, final result of the noise resolution efforts and, if obtainable, a signed statement by the source of the complaint verifying that the noise problem has been resolved.	resolution actions with the Contra Costa County Community Development Department, and with the CEC CPM in the next monthly compliance report during construction; or within 30 days after a complaint is filed during operation, and subsequently within 30 days of resolution of the complaint.		
NOISE-10 Decision P. 179	The Applicant shall comply with worker noise exposure regulations contained in California Code of Regulations Title 8, Section 5096 et seq.	Applicant shall report the results of any inspections conducted by CAL-OSHA in the monthly compliance report.	As Required	
QF-1 Decision P. 307	The facility shall be operated in accordance with the requirements of Title 18 CFR section 292.205(a). The Applicant shall maintain: monthly records of fuel consumption in the gas turbine and HRSG duct burner (including startup and shutdown), electrical energy produced by the cogeneration power plant, electrical and mechanical energy attributable to cogeneration steam produced by C&H Sugar equipment, and net thermal use derived from cogeneration steam; and annual calculations, based upon these data, of the FERC operating standard and efficiency standard achieved by the plant.	The Applicant shall maintain the above records and calculations at the project site, and make them available for audit by the California Energy Commission's (CEC) Compliance Project Manager (CPM) at any reasonable time. The Applicant shall also submit the above calculations of operating standard and efficiency standard to the CEC CPM in each Annual Compliance Report following first power generation from the plant.	Annual Compliance Reports	CEC – 1304 Report, Generation and Fuel used by Generator is filed annually as of February 2002. Submitted each year in Annual Compliance Report.

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QF-2 Decision P. 307 QF-2	If the project should fail to comply with the FERC Qualifying Cogeneration Facility requirements of Title 18 CFR sections 292.205(a) or 292.206, the Applicant will inform the CEC CPM, Bay Conservation and Development Commission (BCDC), and the State Lands Commission (SLC) and present to the CEC CPM a plan to achieve compliance. The plan shall include a discussion of the steps that the Applicant will take to comply with requirements of the McAteer-Petris Act and the Bay Plan. These requirements include language stating that any replacement host industry must be a water-related industry. If compliance cannot be regained within the applicable calendar year for FERC qualifying facility status purposes, the Applicant will apply to the Commission for an amendment to its license as appropriate.	Immediately upon discovering that the project is not in compliance with the FERC Qualifying Cogeneration Facility requirements, or immediately upon receiving such notice from the utility company purchasing the project's electric power (or other monitoring entity), whichever comes first, the Applicant shall inform the CEC CPM, BCDC, and SLC of such event by separate letter, with a copy of the non-compliance notification(s). Within thirty (30) days of such first notice to the CEC CPM, the Applicant shall present to the CEC CPM a detailed plan for achieving compliance with the above FERC requirements, the McAteer-Petris Act, and the Bay Plan including a timetable for achieving such compliance. If compliance is not achieved within the applicable calendar year for FERC qualifying facility status purposes, the Applicant shall apply to the Commission for an amendment to its license concerning its status as a non-cogeneration power plant. Prior to the Commission's taking action on the amendment, the CEC will consult with BCDC and SLC.	As Required	
RELI-1 Decision P. 338	The Applicant shall maintain monthly data sets of reliability and maintenance data, including the following: a) logs of equipment failure data and operational data for all major equipment, including gas turbine; steam turbine; main generator; HRSG and duct burner; air-cooled condenser; feedwater system pumps; SCR system; and major pumps, valves, and controls. These logs shall include major equipment and plant availability factors, and major equipment and plant forced outage rates; b) plant operating logs showing dates and times of dispatch, and power level	The Applicant shall maintain records of the above information at the project site, and make them available for audit by the California Energy Commission's (CEC) Compliance Project Manager (CPM) at any reasonable time. The Applicant shall also submit a summary of plant forced outages, including their causes and duration, as well as plant availability factors and forced outage rates for the report period, to the CEC CPM in each periodic Compliance Report following the commencement of commercial operation of the plant.	Annual Compliance Report	Submitted each year in Annual Compliance Report.

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	of dispatch; and c) logs of plant and major equipment forced outages, including their causes and durations.			
SOC-2 Decision P. 152 SOC-2	The Applicant shall institute a program to maximize the employment of residents of Crockett for the operation of the project, to the extent consistent with state and federal law. (See Protocol)	Not later than 90 days after certification of the project, or a date mutually agreeable to the Applicant and the CEC CPM, the Applicant shall submit the detailed plan to the CEC CPM for review and approval. The Applicant shall begin to implement the program within seven days after receiving approval of the plan from the CEC CPM. The Applicant shall present the results of implementation of the program to the CEC CPM in the Monthly Compliance Reports for review and approval for the first year of operation and in the annual compliance report thereafter.	9/1/93 Annual Compliance Report	Plan submitted 9/1/93. Revised plan submitted 1/17/94. Revised plan submitted 4/20/94.
SOC-3 Decision P. 152	Prior to commencing construction the Applicant shall formalize its agreement with the John Swett Unified School District (District) for costs associated with construction and operation of the project. (See Protocol)	Not later than 30 days after certification of the project, or a date mutually agreeable to the Applicant, the John Swett Unified School District, and the CEC CPM, the Applicant shall provide to the CEC CPM a copy of the agreement signed by the Applicant and the District. Within seven days after any performance date for the Applicant in the agreement, the Applicant shall submit to the CEC CPM documentation that the requirement has been fulfilled.	6/3/93 Completed	Agreement submitted 5/20/93 12/15/93 - Submitted copy of check for initial payment 11/2/95 - Submitted copies of checks for 1994 and 1995 payments 1/13/97 - Submitted copies of checks for 1996 payments
SOC-4 Decision P. 153	The Applicant shall pay $300,000 per fiscal year to the Crockett Community Foundation, a tax-exempt charity to be formed to receive and disburse funds for the benefit of the Crockett community. Payments shall commence in the fiscal year ending June 30, 1996, and shall continue for 30 years escalating at 3 percent per year. Payments shall be made semi-annually on November 10 and May 10, beginning November 10, 1995. In the event the Crockett Community Foundation is not in existence at the	The Applicant shall present evidence, satisfactory to the CEC CPM, of executing such payments in the monthly compliance reports for the month after such payments are made, with a summary of such payments in the annual compliance report.	11/10/95 5/10/96 By 5/10 & 11/10 of each year, and report annually.	11/2/95 - Submitted copy of check for Nov 1995 payment 12/6/95 - Submitted copy of check for additional Nov 1995 payment 5/9/96 - Submitted copy of check for May 1996 payment 1/13/97 - Submitted copy of check for Nov 1996 payment Payments have been submitted on time semi-annually to the Crockett Community Foundation.

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	time that any payment pursuant to this certification is due, such payment shall be made to an independent trustee for the benefit of the Crockett community.			
SOC-7 Decision P. 154 SOC-7	Applicant shall be a guarantor and be secondarily liable for the payment commitment of C&H Sugar Company to pay $30,000 annually for a period of 15 years to the Crockett Community Foundation, commencing in the fiscal year ending June 30, 1996, and for the payment commitment of C&H Sugar Company to pay the Crockett Community Foundation $650,000 by December 31, 1997, if C&H does not relocate its corporate offices from Concord to Crockett within its existing buildings by December 31, 1997. Applicant shall not be liable as a guarantor or secondarily liable for the above payments if compliance with Condition SOC-9 results in an executed contract reflecting C&H's payment commitments.	Beginning with the monthly compliance report for August 1996, and continuing in the August monthly compliance report for 15 years, Applicant shall provide evidence satisfactory to the CEC CPM that C&H Sugar Company has made the annual payment or, if C&H Sugar Company has not made such payment, evidence that Applicant has made the payment. In the monthly compliance report for March 1998, the Applicant shall provide evidence satisfactory to the CEC CPM that: 1) C&H Sugar Company has relocated its corporate offices from Concord to Crockett within its existing buildings, or 2) C&H Sugar Company has paid $650,000 to the Crockett Community Foundation, or 3) the Applicant has paid $650,000 to the Crockett Community Foundation (such amount shall not include the payments made by Applicant under Condition SOC-4).	8/10/96 Completed	11/5/93 - Submitted agreement per SOC-9 which confirmed that C&H had completed the relocation of its corporate offices to Crockett
SOC-11 Decision P. 155	Applicant shall provide an annual report of Contra Costa County expenditures made pursuant to Contra Costa County Board of Supervisor's Resolution No. 92-757.	Applicant shall provide a copy of the report to the CEC CPM and to the Crockett Community Foundation within 90 days of the close of the county's fiscal year.	9/30/96 Completed	
SOC-12 Order No. 12-0314-11	The project owner shall pay the one-time statutory school facility development fees to the John Swett Unified School District as required by Education Code Section 17620.	At least 30 days prior to the start of project construction, the project owner shall provide to the Compliance Project Manager (CPM) proof of payment to the John Swett Unified School District of the statutory development fee.	2/6/12 Completed	2/6/12 - Submitted proof of payment of the School Facility Development Fee to the CPM. 8/24/12 – Construction was completed on the gas compressor project.
TLSN-2 Decision P. 352	The Applicant shall make every reasonable effort to locate and correct, on a case-by-case basis, all causes of radio and television interference attributed to the transmission line facilities. In addition to any necessary transmission line repairs, corrective action shall include, but shall not be limited to, adjusting or modifying	All such records shall be summarized and included in the Annual Compliance Reports.	As required.	

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TLSN-2	receivers, adjusting, repairing, replacing or adding antennas, antenna signal amplifiers, filters or lead-in cables. The Applicant shall maintain written records of all complaints of radio or television interference attributed to the transmission facilities and corrective actions taken in response to any such complaints. Upon request the Applicant shall make these records available to the CEC CPM or an authorized representative. All complaints shall be recorded, in writing, and shall include explicit notations of the corrective actions performed. Complaints which did not result in corrective action being taken or for which there was no resolution shall be described and justified. The record shall be signed by the Applicant and also by the complainant to indicate concurrence with the corrective action or with the justification for no corrective action.			
VIS-1 Decision P. 116	The Applicant shall plant and maintain vegetation to screen the south side of the C&H sugar bin building and project facilities at the eastern end of the project site from public views to the south and east to the extent feasible without screening public views of the Carquinez Strait. (See Protocol)	Not later than 120 days prior to scheduled commercial operation of the project, the Applicant shall submit its proposed vegetation screening plan to the CEC CPM for review and approval. The Applicant shall notify the CEC CPM in writing within seven days after completing the proposed planting that the planting is ready for inspection. Applicant shall provide to the CEC CPM for review and approval a status report regarding the condition of the vegetation in the annual compliance report.	11/8/95 Annual Compliance Report	11/9/95 - Submitted plans 3/11/96 - Submitted revised plans 7/2/96 - Submitted response to CEC 4/25/96 letter 10/9/96 - Submitted response to CEC letter of 7/9/96
VIS-2 Decision P. 117	The Applicant shall properly implement its proposed visual resources Mitigation 2 (to paint the proposed project, the existing C&H refinery stack, and the existing C&H sugar bin building), modified to achieve the goal of harmonizing the color of the structures with the Carquinez Strait.	Not later than 30 days after certification of the project, the Applicant shall submit its proposed plan to the CEC CPM for approval. Not later than 30 days after the color(s) have been selected, the Applicant shall submit to the CEC CPM the required sample and simulation and documentation that the sample and simulation have also been submitted to	6/3/93 Annual Compliance	Plan Submitted 6/3/93 Revised Plan submitted 12/22/93. Color scheme approved by CEC on 5/4/94 and by BCDC on 5/18/95 7/21/95 - submitted simulation of corrugated siding on sugar bins as alternative to painting.

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	(See Protocol)	BCDC. The Applicant shall notify the CEC CPM in writing within seven days after completing the approved painting that the structures are ready for inspection. In the Annual Compliance Report during operation, the Applicant shall provide to the CEC CPM for review and approval a status report regarding painting maintenance.	Report	8/7/95 - CEC verbally approved siding in lieu on painting 4/25/96 - CEC letter directing change of colors to be used on sugar bins. 2/6/2004 - Submitted plan for painting maintenance to CEC.
VIS-3 Decision P. 118	The Applicant shall properly implement its proposed visual resources Mitigation 3, i.e. to place existing electric distribution lines and telephone lines along Loring Avenue underground from Rolph Street to Vallejo Street. (See Protocol)	Not later than 18 months after the start of construction of the project, the Applicant shall submit its proposed plan to the CEC CPM for approval. At least seven days in advance, the Applicant shall notify the CEC CPM in writing of the planned date that the undergrounding procedure will start to enable the CEC CPM to inspect implementation of the plan. Not later than seven days following completing the undergrounding, the Applicant shall notify the CEC CPM in writing that the undergrounding has been completed and is ready for inspection.	6/25/95 Completed	1/13/95 - Submitted notice of public meeting 6/2/95 - Submitted plan to CEC 9/6/95 - Submitted draft Contra Costa County resolutions to CEC 7/2/96 - Submitted notification of commencement of construction
VIS-4 Decision P. 119	The Applicant shall design and install all lighting such that lights are not directly visible from public viewing areas (including Crockett and Glen Cove) and illumination of the vicinity and the nighttime sky is minimized consistent with safety requirements. (See Protocol)	Not later than 360 days after the start of construction of the project, the Applicant shall provide the lighting plan to the CEC CPM. The Applicant shall notify the CEC CPM in writing within seven days of completing lighting installation that the lighting is ready for inspection.	12/27/94 Completed	Plans for plant outdoor lighting submitted 2/13/95 4/10/95 - Submitted supplemental information 7/11/95 - Submitted revised plan for pedestrian bridge 8/2/95 - Approved by CEC 12/28/95 - submitted response to CEC letter of 10/11/95
WASTE-1 Decision P. 275	The Applicant shall obtain a hazardous waste generator identification number from the Department of Toxic Substances Control prior to generating any hazardous waste.	The Applicant shall keep its copy of the identification number on file at the project site and notify the California Energy Commission (CEC) Compliance Project Manager (CPM) via the monthly compliance report of its initial receipt.	Completed	Copy of assignment form submitted 2/3/94. File A4.11.1
WASTE-2 Decision P. 275	Non-hazardous construction and operation wastes which cannot be salvaged or recycled shall be disposed of by the Applicant or its contractors at facilities approved by the San Francisco Bay Regional Water Quality Control Board and the California Integrated Waste Management Board through its	The Applicant shall keep on file at the project site for three years and make available for CEC staff review, upon request, copies of all receipts from landfills for wastes delivered for disposal. This shall include hazardous waste manifests. In annual compliance reports, Crockett Cogeneration shall	Annual Compliance Report	Report submitted each year by February 15.

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	appropriate county local enforcement agency. Hazardous wastes which must be disposed of shall be taken to the Kettleman Hills facility or any alternate Class 1 facility permitted by the California Department of Toxic Substances Control and the appropriate Regional Water Quality Control Board.	provide the CEC CPM with an analysis summarizing the types and quantities of wastes delivered to each facility during the year.		
WASTE-3 Decision P. 275	The Applicant shall not store hazardous waste on-site for more than 90 days unless it obtains a variance or permit as a storage facility from the Toxic Substance Control Department (TCSD).	The Applicant shall notify the CEC CPM in writing within 10 days of any application to TCSD requesting a storage variance or permit.	As Required	No variances or storage permits requested.
WASTE-4 Decision P. 275	The Applicant shall notify the CEC CPM of any waste management-related enforcement action taken or proposed to be taken against it, or against any waste hauler or disposal facility operator (of which the Applicant has knowledge) with which the Applicant contracts.	The Applicant shall notify the CEC CPM in writing within 10 days of becoming aware of any such impending enforcement action.	As Required	No enforcement actions impending or taken.
WASTE-5 Decision P. 276	The Applicant shall prepare a waste management plan for all wastes generated during construction and operation of the facility. The plan shall contain, at a minimum, the following: a) A description of all waste streams, including projections of frequency, amounts generated and hazard classifications; b) Methods of managing each waste, including treatment methods and companies contracted with for treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling plans; and, c) Procedures that the Applicant will employ to prevent construction materials and construction waste from falling into the Bay.	Prior to construction, the Applicant shall submit a waste management plan to the CEC CPM and BCDC for review. In the Annual Compliance Report, the Applicant shall document how actual waste management activities during the year compared with planned management methods.	12/31/93 Annual Compliance Report	1/21/94 - Submitted Construction Plan 11/3/93 - Submitted Operations Plan Report submitted each year by February 15 as required.
WATER-1	If in the opinion of East Bay Municipal Utility District (EBMUD) existing levels	In the next Monthly Compliance Report after completion of construction of all	Completed	5/14/96 - Submitted copy of EBMUD letter of 1/27/94 to close out condition

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Decision P. 251	of water service to the Crockett area are affected as a result of providing water service to the project, the Applicant shall make any modifications required by EBMUD to the local distribution system necessary to maintain existing levels of water service. The Applicant shall keep the California Energy Commission's (CEC) Compliance Project Manager (CPM) informed of all EBMUD required modifications on a timely basis.	facilities for the project's water service the Applicant shall provide a copy to the CEC CPM of the executed "Water Main Extension Agreement" and a letter ,signed by and bearing the seal of the responsible engineer, certifying that the facilities required by EBMUD in the "Agreement" have been satisfactorily completed. The Applicant shall notify the CEC CPM of any EBMUD required modifications to the "Agreement" within five working days of the Applicant being notified of such changes.		