

**DOCKETED**

<b>Docket Number:</b>	82-AFC-02C
<b>Project Title:</b>	Kern River Cogeneration Application for Certification Compliance
<b>TN #:</b>	231114
<b>Document Title:</b>	Kern River Cogeneration Facility - 2018 Annual Compliance Report
<b>Description:</b>	2018 Annual Compliance Report for the Kern River Cogeneration Facility.
<b>Filer:</b>	Mary Dyas
<b>Organization:</b>	Chevron Power and Energy Management
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	12/11/2019 7:29:28 AM
<b>Docketed Date:</b>	12/11/2019



February 14, 2019

Ms. Mary Dyas  
California Energy Commission  
1516 Ninth Street, MS-2000  
Sacramento, CA 95814-5512

Re: **Kern River Cogeneration Facility**  
**CEC Annual Compliance Report - 2018**

Dear Ms. Dyas:

Pursuant to Commission Decision 82-AFC-2, Appendix A, Power Plant Compliance Plan, Section 17, Condition 17-2, attached is the Annual Compliance Report submitted by Kern River Cogeneration Facility. The reporting period is January 1, 2018, through December 31, 2018.

Included in this report are:

1. Simple cycle hours (Attachment 1)
2. Compliance matrix (Attachment 2)
3. Verification that KRCF is operating consistently with PRC 25134(b)
4. Verification of compliance with DOC conditions (Attachment 3)

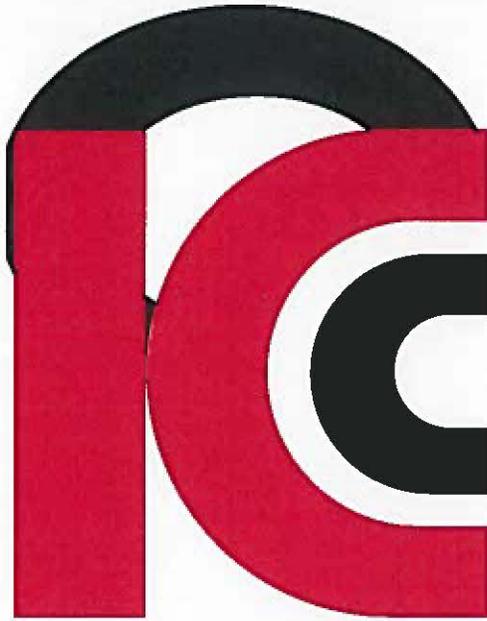
If you have any questions, please contact Cory Eagar at (661) 615-4681.

A handwritten signature in blue ink that reads "Jay Blackmon".

Jay A. Blackmon  
Asset Manager

CLE:yh

Attachment



**CEC Annual Report  
2018**

**Kern River  
Cogeneration Facility**  
*Bakersfield, California*

## **ANNUAL COMPLIANCE REPORT - 2018**

### **CERTIFICATION**

In accordance with the Commission Decision 82-AFC-2, Power Plant Compliance Plan, Section 17, page A-71, Condition 17-2, I certify that the information contained herein is true and correct to the best of my knowledge.



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**Jay A. Blackmon**  
**Asset Manager**  
**Kern River Cogeneration Facility**

**POWER PLANT EFFICIENCY AND RELIABILITY**

***Condition 17-2***

During this reporting period, Kern River Cogeneration Facility (KRCF) utilized 7,253,810 (LHV) MMBtu's natural gas to produce 735,760 MWhrs of electricity and 3,518,473 MMBtu's of steam.

***Cogeneration Efficiency***

Cogeneration Efficiency as per Section 25134 (b) "*...the useful annual power output plus one-half the useful annual thermal energy output equals not less than 42.5% of any natural gas and oil energy input.*"

Useful Annual Power Output in MMBtu's:

$$735,760 \text{ MWhrs} \times 3.413 \text{ MMBtu/MWhr} = 2,511,150 \text{ MMBtu}$$

$$\begin{aligned} \text{Cogeneration Efficiency} &= \frac{[2,511,150] + [0.5 (3,518,473)] \text{ MMBtu's}}{[7,253,810] \text{ MMBtu's}} \\ &= 58.9\% > 42.5\% \end{aligned}$$

This confirms that during this reporting period, Kern River Cogeneration Facility was operating consistently with Public Resources Code Section 25134 (b).

**SIMPLE CYCLE HOURS**

The simple cycle hours for each combustion turbine generator during the reporting period are as follows:

<b>UNIT</b>	<b>SIMPLE CYCLE (HOURS)</b>
A	275.68
B	330.83
C	392.33
D	111.88
<b>TOTALS</b>	<b>1,110.72</b>

For each forced outage, a precise identification of the equipment whose failure resulted in the forced outage and the resulting forced outage hours are tabulated in Attachment 1.

**COMPLIANCE MATRIX**

An updated compliance matrix is included in Attachment 2.

**VERIFICATION OF COMPLIANCE - APCD**

Verification by the San Joaquin Valley Unified APCD of Kern River Cogeneration Facility to be in compliance with all the conditions in the Determination of Compliance is included in Attachment 3.

**APPENDIX**

<b>2018 Simple Cycle Hours</b> .....	<b><i>Attachment 1</i></b>
<b>Updated Compliance Matrix</b> .....	<b><i>Attachment 2</i></b>
<b>Verification of Compliance - APCD</b> .....	<b><i>Attachment 3</i></b>

**ATTACHMENT 1**

**2018 Simple Cycle Hours**

**Kern River Cogeneration Facility  
Unit A 2018 Simple Cycle**

Unit	Start Time	Stop Time	Simple Cycle	Type	Reason
A	Sat 17Feb18 18:30	Sat 17Feb18 19:13	0.70	Simple Cycle	Dispatched On
A	Tue 20Feb18 05:36	Tue 20Feb18 08:29	2.90	Simple Cycle	Dispatched On
A	Tue 20Feb18 17:30	Tue 20Feb18 22:43	5.20	Simple Cycle	Dispatched On
A	Sun 04Mar18 16:43	Sun 04Mar18 22:01	5.30	Simple Cycle	Dispatched On
A	Mon 05Mar18 16:43	Mon 05Mar18 19:27	2.70	Simple Cycle	Dispatched On
A	Tue 06Mar18 16:42	Tue 06Mar18 22:13	5.50	Simple Cycle	Dispatched On
A	Wed 14Mar18 19:27	Wed 14Mar18 21:27	2.00	Simple Cycle	Dispatched On
A	Tue 03Apr18 17:29	Tue 03Apr18 21:12	3.70	Simple Cycle	Dispatched On
A	Wed 04Apr18 05:29	Wed 04Apr18 07:13	1.70	Simple Cycle	Dispatched On
A	Mon 09Apr18 18:49	Mon 09Apr18 22:27	3.60	Simple Cycle	Dispatched On
A	Mon 23Apr18 17:44	Mon 23Apr18 22:10	4.40	Simple Cycle	Dispatched On
A	Tue 24Apr18 20:43	Tue 24Apr18 22:10	1.50	Simple Cycle	Dispatched On
A	Sat 05May18 17:50	Sat 05May18 22:14	4.40	Simple Cycle	Dispatched On
A	Fri 18May18 07:46	Fri 18May18 10:14	2.50	Simple Cycle	Dispatched On
A	Sat 16Jun18 11:45	Sat 16Jun18 14:13	2.50	Simple Cycle	Dispatched On
A	Mon 09Jul18 15:50	Mon 09Jul18 18:11	2.40	Simple Cycle	Dispatched On
A	Tue 10Jul18 14:49	Tue 10Jul18 16:11	1.40	Simple Cycle	Dispatched On
A	Wed 11Jul18 16:49	Wed 11Jul18 21:40	4.90	Simple Cycle	Dispatched On
A	Mon 16Jul18 15:42	Mon 16Jul18 22:26	6.70	Simple Cycle	Dispatched On
A	Thu 19Jul18 18:34	Thu 19Jul18 21:56	3.40	Simple Cycle	Dispatched On
A	Fri 20Jul18 08:49	Fri 20Jul18 10:11	1.40	Simple Cycle	Dispatched On
A	Sat 21Jul18 10:34	Sat 21Jul18 12:49	2.30	Simple Cycle	Dispatched On
A	Sat 21Jul18 14:35	Sat 21Jul18 16:25	1.80	Simple Cycle	Dispatched On
A	Sun 22Jul18 22:47	Mon 23Jul18 00:09	1.40	Simple Cycle	Dispatched On
A	Mon 23Jul18 11:43	Mon 23Jul18 22:40	11.00	Simple Cycle	Dispatched On
A	Tue 24Jul18 14:44	Tue 24Jul18 20:10	5.40	Simple Cycle	Dispatched On
A	Wed 25Jul18 14:44	Wed 25Jul18 20:11	5.40	Simple Cycle	Dispatched On
A	Thu 26Jul18 12:44	Thu 26Jul18 20:11	7.50	Simple Cycle	Dispatched On
A	Fri 27Jul18 15:45	Fri 27Jul18 18:12	2.40	Simple Cycle	Dispatched On
A	Mon 30Jul18 13:44	Mon 30Jul18 21:24	7.70	Simple Cycle	Dispatched On
A	Wed 01Aug18 18:49	Wed 01Aug18 21:38	2.80	Simple Cycle	Dispatched On
A	Fri 03Aug18 13:45	Fri 03Aug18 23:11	9.40	Simple Cycle	Dispatched On
A	Sat 04Aug18 13:44	Sat 04Aug18 15:11	1.50	Simple Cycle	Dispatched On
A	Sun 05Aug18 17:30	Sun 05Aug18 22:23	4.90	Simple Cycle	Dispatched On
A	Mon 06Aug18 10:49	Mon 06Aug18 12:09	1.30	Simple Cycle	Dispatched On
A	Tue 07Aug18 15:05	Tue 07Aug18 22:38	7.60	Simple Cycle	Dispatched On
A	Wed 08Aug18 15:59	Wed 08Aug18 21:38	5.60	Simple Cycle	Dispatched On
A	Thu 09Aug18 13:00	Thu 09Aug18 23:38	10.60	Simple Cycle	Dispatched On
A	Mon 13Aug18 16:44	Mon 13Aug18 19:41	3.00	Simple Cycle	Dispatched On
A	Mon 13Aug18 20:30	Mon 13Aug18 21:40	1.20	Simple Cycle	Dispatched On
A	Thu 16Aug18 13:40	Thu 16Aug18 17:08	3.50	Simple Cycle	Dispatched On
A	Fri 17Aug18 13:42	Fri 17Aug18 21:41	8.00	Simple Cycle	Dispatched On
A	Sun 19Aug18 17:45	Sun 19Aug18 22:24	4.60	Simple Cycle	Dispatched On
A	Mon 20Aug18 16:45	Mon 20Aug18 21:24	4.70	Simple Cycle	Dispatched On
A	Thu 13Sep18 18:59	Thu 13Sep18 20:26	1.45	Simple Cycle	Dispatched On
A	Fri 14Sep18 17:44	Fri 14Sep18 20:40	2.93	Simple Cycle	Dispatched On
A	Sat 15Sep18 16:48	Sat 15Sep18 21:39	4.85	Simple Cycle	Dispatched On
A	Sun 16Sep18 16:49	Sun 16Sep18 21:41	4.87	Simple Cycle	Dispatched On
A	Mon 17Sep18 16:45	Mon 17Sep18 20:40	3.92	Simple Cycle	Dispatched On
A	Thu 20Sep18 16:41	Thu 20Sep18 19:13	2.53	Simple Cycle	Dispatched On
A	Wed 26Sep18 16:45	Wed 26Sep18 21:11	4.43	Simple Cycle	Dispatched On
A	Mon 01Oct18 16:58	Mon 01Oct18 22:55	5.95	Simple Cycle	Dispatched On
A	Tue 02Oct18 18:44	Tue 02Oct18 22:25	3.68	Simple Cycle	Dispatched On
A	Mon 15Oct18 18:27	Mon 15Oct18 21:10	2.72	Simple Cycle	Dispatched On
A	Tue 16Oct18 17:28	Tue 16Oct18 22:06	4.63	Simple Cycle	Dispatched On
A	Sat 20Oct18 16:47	Sat 20Oct18 23:08	6.35	Simple Cycle	Dispatched On
A	Thu 25Oct18 17:02	Thu 25Oct18 21:24	4.37	Simple Cycle	Dispatched On
A	Wed 31Oct18 16:43	Wed 31Oct18 22:09	5.43	Simple Cycle	Dispatched On
A	Thu 01Nov18 16:45	Thu 01Nov18 21:40	4.92	Simple Cycle	Dispatched On
A	Tue 06Nov18 10:14	Tue 06Nov18 18:23	8.15	Simple Cycle	Dispatched On
A	Fri 09Nov18 15:29	Fri 09Nov18 19:40	4.18	Simple Cycle	Dispatched On
A	Mon 12Nov18 16:28	Mon 12Nov18 22:27	5.98	Simple Cycle	Dispatched On
A	Fri 16Nov18 15:49	Fri 16Nov18 20:08	4.32	Simple Cycle	Dispatched On
A	Mon 19Nov18 14:49	Mon 19Nov18 22:26	7.62	Simple Cycle	Dispatched On

**Simple Cycle Total Hours**

**275.68**

**Kern River Cogeneration Facility  
Unit B 2018 Simple Cycle**

<b>Unit</b>	<b>Start Time</b>	<b>Stop Time</b>	<b>Simple Cycle</b>	<b>Type</b>	<b>Reason</b>
B	Wed 03Jan18 16:46	Wed 03Jan18 20:28	3.70	Simple Cycle	Dispatched On
B	Sat 17Feb18 18:30	Sat 17Feb18 23:31	5.00	Simple Cycle	Dispatched On
B	Tue 20Feb18 05:35	Tue 20Feb18 08:29	2.90	Simple Cycle	Dispatched On
B	Tue 20Feb18 17:30	Tue 20Feb18 22:43	5.20	Simple Cycle	Dispatched On
B	Sun 04Mar18 16:42	Sun 04Mar18 22:03	5.30	Simple Cycle	Dispatched On
B	Mon 05Mar18 16:42	Mon 05Mar18 22:13	5.50	Simple Cycle	Dispatched On
B	Tue 06Mar18 16:43	Tue 06Mar18 22:13	5.50	Simple Cycle	Dispatched On
B	Thu 15Mar18 19:26	Thu 15Mar18 20:58	1.50	Simple Cycle	Dispatched On
B	Tue 03Apr18 17:28	Tue 03Apr18 21:12	3.70	Simple Cycle	Dispatched On
B	Wed 04Apr18 05:29	Wed 04Apr18 07:13	1.70	Simple Cycle	Dispatched On
B	Mon 09Apr18 18:50	Mon 09Apr18 23:12	4.40	Simple Cycle	Dispatched On
B	Wed 11Apr18 19:15	Wed 11Apr18 19:36	0.30	Simple Cycle	Dispatched On
B	Mon 23Apr18 19:44	Mon 23Apr18 22:10	2.40	Simple Cycle	Dispatched On
B	Tue 24Apr18 20:44	Tue 24Apr18 22:10	1.40	Simple Cycle	Dispatched On
B	Sat 05May18 17:45	Sat 05May18 23:11	5.40	Simple Cycle	Dispatched On
B	Mon 07May18 17:46	Mon 07May18 22:10	4.40	Simple Cycle	Dispatched On
B	Tue 08May18 13:46	Tue 08May18 14:23	0.60	Simple Cycle	Dispatched On
B	Fri 18May18 07:46	Fri 18May18 10:14	2.50	Simple Cycle	Dispatched On
B	Thu 21Jun18 19:41	Thu 21Jun18 21:55	2.20	Simple Cycle	Dispatched On
B	Mon 09Jul18 15:49	Mon 09Jul18 18:11	2.40	Simple Cycle	Dispatched On
B	Tue 10Jul18 14:50	Tue 10Jul18 16:11	1.40	Simple Cycle	Dispatched On
B	Wed 11Jul18 15:49	Wed 11Jul18 21:41	5.90	Simple Cycle	Dispatched On
B	Mon 16Jul18 15:42	Mon 16Jul18 22:26	6.70	Simple Cycle	Dispatched On
B	Tue 17Jul18 13:40	Tue 17Jul18 22:42	9.00	Simple Cycle	Dispatched On
B	Wed 18Jul18 13:49	Thu 19Jul18 02:36	12.80	Simple Cycle	Dispatched On
B	Thu 19Jul18 18:45	Thu 19Jul18 21:56	3.20	Simple Cycle	Dispatched On
B	Fri 20Jul18 08:49	Fri 20Jul18 10:11	1.40	Simple Cycle	Dispatched On
B	Sat 21Jul18 10:34	Sat 21Jul18 12:56	2.40	Simple Cycle	Dispatched On
B	Sat 21Jul18 14:35	Sat 21Jul18 16:25	1.80	Simple Cycle	Dispatched On
B	Sun 22Jul18 22:45	Mon 23Jul18 00:09	1.40	Simple Cycle	Dispatched On
B	Mon 23Jul18 11:44	Mon 23Jul18 22:40	10.90	Simple Cycle	Dispatched On
B	Tue 24Jul18 14:45	Tue 24Jul18 21:59	7.20	Simple Cycle	Dispatched On
B	Wed 25Jul18 14:45	Wed 25Jul18 20:11	5.40	Simple Cycle	Dispatched On
B	Thu 26Jul18 12:45	Thu 26Jul18 20:11	7.40	Simple Cycle	Dispatched On
B	Fri 27Jul18 15:45	Fri 27Jul18 19:25	3.70	Simple Cycle	Dispatched On
B	Mon 30Jul18 13:45	Mon 30Jul18 20:55	7.20	Simple Cycle	Dispatched On
B	Wed 01Aug18 15:45	Wed 01Aug18 21:38	5.90	Simple Cycle	Dispatched On
B	Fri 03Aug18 14:45	Fri 03Aug18 17:01	2.30	Simple Cycle	Dispatched On
B	Fri 03Aug18 18:00	Fri 03Aug18 23:11	5.20	Simple Cycle	Dispatched On
B	Sat 04Aug18 13:45	Sat 04Aug18 15:11	1.40	Simple Cycle	Dispatched On
B	Sun 05Aug18 17:29	Sun 05Aug18 22:23	4.90	Simple Cycle	Dispatched On
B	Mon 06Aug18 10:50	Mon 06Aug18 12:09	1.30	Simple Cycle	Dispatched On
B	Tue 07Aug18 15:05	Tue 07Aug18 22:38	7.60	Simple Cycle	Dispatched On
B	Wed 08Aug18 15:59	Wed 08Aug18 21:38	5.60	Simple Cycle	Dispatched On
B	Thu 09Aug18 13:44	Thu 09Aug18 22:47	9.00	Simple Cycle	Dispatched On
B	Mon 13Aug18 16:44	Mon 13Aug18 19:41	3.00	Simple Cycle	Dispatched On
B	Mon 13Aug18 20:30	Mon 13Aug18 21:40	1.20	Simple Cycle	Dispatched On
B	Thu 16Aug18 13:40	Thu 16Aug18 17:08	3.50	Simple Cycle	Dispatched On
B	Fri 17Aug18 13:42	Fri 17Aug18 21:41	8.00	Simple Cycle	Dispatched On
B	Sun 19Aug18 17:45	Sun 19Aug18 21:24	3.70	Simple Cycle	Dispatched On
B	Mon 20Aug18 16:45	Mon 20Aug18 21:09	4.40	Simple Cycle	Dispatched On
B	Thu 13Sep18 18:59	Thu 13Sep18 20:26	1.45	Simple Cycle	Dispatched On
B	Fri 14Sep18 17:44	Fri 14Sep18 20:40	2.93	Simple Cycle	Dispatched On
B	Sat 15Sep18 16:49	Sat 15Sep18 20:56	4.12	Simple Cycle	Dispatched On
B	Sun 16Sep18 17:49	Sun 16Sep18 21:41	3.87	Simple Cycle	Dispatched On
B	Mon 17Sep18 16:45	Mon 17Sep18 20:40	3.92	Simple Cycle	Dispatched On
B	Tue 18Sep18 19:49	Tue 18Sep18 21:08	1.32	Simple Cycle	Dispatched On
B	Thu 20Sep18 16:42	Thu 20Sep18 19:13	2.52	Simple Cycle	Dispatched On
B	Wed 26Sep18 16:45	Wed 26Sep18 21:11	4.43	Simple Cycle	Dispatched On
B	Mon 01Oct18 16:59	Mon 01Oct18 22:54	5.92	Simple Cycle	Dispatched On
B	Tue 02Oct18 18:45	Tue 02Oct18 21:54	3.15	Simple Cycle	Dispatched On
B	Mon 15Oct18 18:28	Mon 15Oct18 21:10	2.70	Simple Cycle	Dispatched On
B	Tue 16Oct18 18:14	Tue 16Oct18 20:51	2.62	Simple Cycle	Dispatched On
B	Thu 18Oct18 16:43	Thu 18Oct18 22:08	5.42	Simple Cycle	Dispatched On
B	Fri 19Oct18 16:43	Fri 19Oct18 22:38	5.92	Simple Cycle	Dispatched On
B	Sat 20Oct18 16:48	Sat 20Oct18 23:08	6.33	Simple Cycle	Dispatched On
B	Thu 25Oct18 16:49	Thu 25Oct18 21:39	4.83	Simple Cycle	Dispatched On
B	Wed 31Oct18 16:43	Wed 31Oct18 22:09	5.43	Simple Cycle	Dispatched On
B	Thu 01Nov18 16:45	Thu 01Nov18 21:40	4.92	Simple Cycle	Dispatched On
B	Wed 07Nov18 05:24	Wed 07Nov18 10:43	5.32	Simple Cycle	Dispatched On
B	Wed 07Nov18 12:14	Wed 07Nov18 16:06	3.87	Simple Cycle	Dispatched On
B	Fri 09Nov18 15:29	Fri 09Nov18 19:41	4.20	Simple Cycle	Dispatched On
B	Mon 12Nov18 16:28	Mon 12Nov18 21:42	5.23	Simple Cycle	Dispatched On
B	Fri 16Nov18 15:49	Fri 16Nov18 21:08	5.32	Simple Cycle	Dispatched On
B	Sun 18Nov18 15:43	Sun 18Nov18 22:23	6.67	Simple Cycle	Dispatched On
B	Mon 19Nov18 14:49	Mon 19Nov18 22:26	7.62	Simple Cycle	Dispatched On

**Simple Cycle Total Hours**

**330.83**

**Kern River Cogeneration Facility  
Unit C 2018 Simple Cycle**

Unit	Start Time	Stop Time	Simple Cycle	Type	Reason
C	Wed 03Jan18 16:45	Wed 03Jan18 20:44	4.00	Simple Cycle	Dispatched On
C	Sun 21Jan18 16:48	Sun 21Jan18 19:58	3.20	Simple Cycle	Dispatched On
C	Fri 16Feb18 17:30	Fri 16Feb18 21:01	3.50	Simple Cycle	Dispatched On
C	Sat 17Feb18 18:30	Sat 17Feb18 23:46	5.30	Simple Cycle	Dispatched On
C	Tue 20Feb18 05:37	Tue 20Feb18 08:29	2.90	Simple Cycle	Dispatched On
C	Tue 20Feb18 17:30	Tue 20Feb18 22:43	5.20	Simple Cycle	Dispatched On
C	Wed 28Feb18 20:45	Wed 28Feb18 22:04	1.30	Simple Cycle	Dispatched On
C	Sun 04Mar18 16:43	Sun 04Mar18 23:15	6.50	Simple Cycle	Dispatched On
C	Mon 05Mar18 16:42	Mon 05Mar18 22:08	5.40	Simple Cycle	Dispatched On
C	Tue 06Mar18 16:43	Tue 06Mar18 22:13	5.50	Simple Cycle	Dispatched On
C	Mon 12Mar18 17:44	Mon 12Mar18 20:43	3.00	Simple Cycle	Dispatched On
C	Wed 14Mar18 19:29	Wed 14Mar18 21:28	2.00	Simple Cycle	Dispatched On
C	Thu 15Mar18 19:27	Thu 15Mar18 20:58	1.50	Simple Cycle	Dispatched On
C	Fri 16Mar18 05:25	Fri 16Mar18 07:44	2.30	Simple Cycle	Dispatched On
C	Tue 03Apr18 17:29	Tue 03Apr18 21:13	3.70	Simple Cycle	Dispatched On
C	Wed 04Apr18 05:29	Wed 04Apr18 07:13	1.70	Simple Cycle	Dispatched On
C	Mon 09Apr18 18:49	Mon 09Apr18 23:12	4.40	Simple Cycle	Dispatched On
C	Tue 10Apr18 17:39	Tue 10Apr18 22:13	4.60	Simple Cycle	Dispatched On
C	Wed 11Apr18 19:15	Wed 11Apr18 19:36	0.30	Simple Cycle	Dispatched On
C	Mon 23Apr18 17:45	Mon 23Apr18 22:11	4.40	Simple Cycle	Dispatched On
C	Tue 24Apr18 20:44	Tue 24Apr18 22:03	1.30	Simple Cycle	Dispatched On
C	Fri 04May18 17:39	Fri 04May18 22:11	4.50	Simple Cycle	Dispatched On
C	Sat 05May18 17:43	Sat 05May18 22:03	4.30	Simple Cycle	Dispatched On
C	Fri 18May18 08:43	Fri 18May18 11:12	2.50	Simple Cycle	Dispatched On
C	Tue 12Jun18 17:39	Tue 12Jun18 22:11	4.50	Simple Cycle	Dispatched On
C	Wed 13Jun18 17:45	Wed 13Jun18 22:16	4.50	Simple Cycle	Dispatched On
C	Thu 21Jun18 19:41	Thu 21Jun18 21:55	2.20	Simple Cycle	Dispatched On
C	Sat 07Jul18 12:30	Sat 07Jul18 14:13	1.70	Simple Cycle	Dispatched On
C	Sat 07Jul18 20:43	Sat 07Jul18 23:55	3.20	Simple Cycle	Dispatched On
C	Sun 08Jul18 13:44	Sun 08Jul18 15:10	1.40	Simple Cycle	Dispatched On
C	Mon 09Jul18 13:46	Mon 09Jul18 18:11	4.40	Simple Cycle	Dispatched On
C	Tue 10Jul18 14:50	Tue 10Jul18 16:10	1.30	Simple Cycle	Dispatched On
C	Wed 11Jul18 15:49	Wed 11Jul18 21:41	5.90	Simple Cycle	Dispatched On
C	Mon 16Jul18 15:42	Mon 16Jul18 22:27	6.80	Simple Cycle	Dispatched On
C	Tue 17Jul18 13:40	Tue 17Jul18 22:42	9.00	Simple Cycle	Dispatched On
C	Wed 18Jul18 13:49	Thu 19Jul18 02:28	12.70	Simple Cycle	Dispatched On
C	Thu 19Jul18 14:49	Thu 19Jul18 22:10	7.40	Simple Cycle	Dispatched On
C	Fri 20Jul18 08:49	Fri 20Jul18 10:12	1.40	Simple Cycle	Dispatched On
C	Sat 21Jul18 10:34	Sat 21Jul18 13:12	2.60	Simple Cycle	Dispatched On
C	Sun 22Jul18 22:45	Mon 23Jul18 00:09	1.40	Simple Cycle	Dispatched On
C	Mon 23Jul18 11:44	Mon 23Jul18 22:41	11.00	Simple Cycle	Dispatched On
C	Tue 24Jul18 14:45	Tue 24Jul18 21:59	7.20	Simple Cycle	Dispatched On
C	Wed 25Jul18 14:45	Wed 25Jul18 20:11	5.40	Simple Cycle	Dispatched On
C	Thu 26Jul18 12:44	Thu 26Jul18 20:12	7.50	Simple Cycle	Dispatched On
C	Fri 27Jul18 15:45	Fri 27Jul18 21:10	5.40	Simple Cycle	Dispatched On
C	Mon 30Jul18 13:45	Mon 30Jul18 21:24	7.70	Simple Cycle	Dispatched On
C	Tue 31Jul18 17:30	Tue 31Jul18 21:40	4.20	Simple Cycle	Dispatched On
C	Wed 01Aug18 14:59	Wed 01Aug18 21:52	6.90	Simple Cycle	Dispatched On
C	Thu 02Aug18 16:46	Thu 02Aug18 18:11	1.40	Simple Cycle	Dispatched On
C	Fri 03Aug18 13:45	Fri 03Aug18 23:12	9.50	Simple Cycle	Dispatched On
C	Sat 04Aug18 15:44	Sat 04Aug18 21:07	5.40	Simple Cycle	Dispatched On
C	Sun 05Aug18 17:29	Sun 05Aug18 22:40	5.20	Simple Cycle	Dispatched On
C	Mon 06Aug18 10:50	Mon 06Aug18 12:09	1.30	Simple Cycle	Dispatched On
C	Tue 07Aug18 15:04	Tue 07Aug18 22:37	7.50	Simple Cycle	Dispatched On
C	Wed 08Aug18 15:44	Wed 08Aug18 21:38	5.90	Simple Cycle	Dispatched On
C	Thu 09Aug18 12:59	Thu 09Aug18 23:38	10.60	Simple Cycle	Dispatched On
C	Mon 13Aug18 16:45	Mon 13Aug18 19:40	2.90	Simple Cycle	Dispatched On
C	Mon 13Aug18 20:30	Mon 13Aug18 21:40	1.20	Simple Cycle	Dispatched On
C	Thu 16Aug18 13:41	Thu 16Aug18 22:58	9.30	Simple Cycle	Dispatched On
C	Fri 17Aug18 13:42	Fri 17Aug18 21:41	8.00	Simple Cycle	Dispatched On
C	Sat 18Aug18 15:44	Sat 18Aug18 21:24	5.70	Simple Cycle	Dispatched On
C	Sun 19Aug18 17:45	Sun 19Aug18 22:24	4.60	Simple Cycle	Dispatched On
C	Mon 20Aug18 16:44	Mon 20Aug18 21:09	4.40	Simple Cycle	Dispatched On
C	Thu 13Sep18 18:44	Thu 13Sep18 20:11	1.45	Simple Cycle	Dispatched On
C	Fri 14Sep18 16:44	Fri 14Sep18 20:25	3.68	Simple Cycle	Dispatched On
C	Sat 15Sep18 16:48	Sat 15Sep18 21:40	4.87	Simple Cycle	Dispatched On
C	Sun 16Sep18 16:49	Sun 16Sep18 20:40	3.85	Simple Cycle	Dispatched On
C	Mon 17Sep18 00:00	Mon 17Sep18 00:00	3.93	Simple Cycle	Dispatched On
C	Thu 20Sep18 00:00	Thu 20Sep18 00:00	2.53	Simple Cycle	Dispatched On
C	Fri 21Sep18 16:39	Fri 21Sep18 21:11	4.53	Simple Cycle	Dispatched On
C	Wed 26Sep18 16:44	Wed 26Sep18 21:11	4.45	Simple Cycle	Dispatched On
C	Mon 01Oct18 16:40	Mon 01Oct18 23:39	6.98	Simple Cycle	Dispatched On
C	Tue 02Oct18 18:45	Tue 02Oct18 22:24	3.65	Simple Cycle	Dispatched On
C	Mon 15Oct18 18:13	Mon 15Oct18 21:11	2.97	Simple Cycle	Dispatched On
C	Tue 16Oct18 17:28	Tue 16Oct18 22:06	4.63	Simple Cycle	Dispatched On
C	Thu 18Oct18 16:43	Thu 18Oct18 22:08	5.42	Simple Cycle	Dispatched On
C	Sat 20Oct18 16:48	Sat 20Oct18 23:08	6.33	Simple Cycle	Dispatched On
C	Fri 26Oct18 16:08	Fri 26Oct18 16:10	0.03	Simple Cycle	Dispatched On
C	Sat 27Oct18 16:44	Sat 27Oct18 21:10	4.43	Simple Cycle	Dispatched On
C	Thu 01Nov18 16:45	Thu 01Nov18 21:40	4.92	Simple Cycle	Dispatched On
C	Tue 06Nov18 16:26	Tue 06Nov18 18:24	1.97	Simple Cycle	Dispatched On
C	Fri 09Nov18 15:29	Fri 09Nov18 19:42	4.22	Simple Cycle	Dispatched On
C	Mon 12Nov18 15:43	Mon 12Nov18 21:42	5.98	Simple Cycle	Dispatched On
C	Fri 16Nov18 15:49	Fri 16Nov18 21:08	5.32	Simple Cycle	Dispatched On
C	Sun 18Nov18 15:43	Sun 18Nov18 22:23	6.67	Simple Cycle	Dispatched On
C	Mon 19Nov18 14:49	Mon 19Nov18 22:26	7.62	Simple Cycle	Dispatched On

Simple Cycle Total Hours 392.33

**Kern River Cogeneration Facility  
Unit D 2018 Simple Cycle**

Unit	Start Time	Stop Time	Simple Cycle	Type	Reason
D	Mon 22Jan18 06:11	Thu 25Jan18 19:14	85.05	Simple Cycle	Repair steam startup well
D	Mon 21May18 04:56	Mon 21May18 09:31	4.58	Simple Cycle	Emissions testing on U1 in Cogen, field only wanted one unit of steam
D	Wed 30May18 00:34	Wed 30May18 01:21	0.78	Simple Cycle	Emissions testing on U2 in Cogen, field only wanted one unit of steam
D	Mon 04Jun18 00:33	Mon 04Jun18 08:50	8.28	Simple Cycle	Emissions testing on U2 in Cogen, field only wanted one unit of steam
D	Sat 30Jun18 22:24	Sun 01Jul18 11:35	13.18	Simple Cycle	Water pressure lost from source

<b>Simple Cycle Total Hours</b>	<b>111.88</b>
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**ATTACHMENT 2**

**Updated Compliance Matrix**

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-1	For the purpose of implementing Section 25532 of the Public Resources Code, the SJVUAPCD shall monitor compliance of the construction and operation of the facility with the conditions related to air quality laws, regulations, and standards as contained in the Determination of Compliance (Appendix B) and as adopted in the decision. The SJVUAPCD shall immediately inform the CEC of any failure to meet the requirements and conditions of certification, including the requirements and conditions for a Permit to Operate. Upon completion of construction, the SJVUAPCD shall issue a Permit to Operate if it determines that the facility complies with the Determination of Compliance.	The Applicants shall provide the CEC with a copy of the Permit to Operate within 30 days of their receipt of the permit. The Applicants shall summarize in an annual compliance report to the CEC any significant interactions with the SJVUAPCD related to this project. The Applicants shall inform the CEC and ARB in writing within 30 days of any formal appeals filed with the SJVUAPCD.	No action required.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-2	<p>Kern River Cogeneration Company shall design the Kern River Project using the following design conditions and specific equipment: Equipment Description: A. Four natural gas fired General Electric, Model G7111E, combustion turbine generators (CTGs) each rated at 8.25 x 10<sup>8</sup> (LHV) Btu/hr maximum heat input (APCD No.'s S-88-1 through S-88-4), B. Four unfired heat recovery steam generators (HRSG's), each rated at 450,000 lbm/hr steam production one for each gas turbine engine assembly, C. Four CTG Dry-Low NOx combustor systems for NOx control, D. Continuous emission monitoring system for NOx, CO and CO2 serving each CTG flue gas stream, F. 2000 hp diesel I.C. engine driving "black-start" electrical generator (APCD No. S-88-5), G. Facility will include one 250 hp diesel I.C. engine driving 1500 gpm fire water pump (APCD No. S-88-8). H. Turbine maximum heat input rate shall not exceed 1,020 MMBtu/hr when fired on natural gas without prior District approval. General Design Requirements: A. When operating in cogeneration mode, the exhaust gas ducting from CTGs through HRSGs to the atmosphere shall be gas-tight. B. When operating in simple cycle mode, the bypass stack valve preceding each HRSG shall be gas tight. C. Each CTG shall have a fuel consumption monitor/recorder. Design Requirements for CTG - DLN Retro Fit A. The combustion turbine generators (CTGs) shall be retrofitted with Dry Low NOx (DLN) combustors, capable of achieving 16.4 ppm or better at 15% O2 based on a three hour rolling according to the schedule in Condition AQ-27. B. CTGs using multiple combustors shall be designed to be capable of achieving proposed emission levels.</p>	<p>Kern River Cogeneration Company shall maintain and make available for inspection the "Approved for Construction Drawings" to the SJVUAPCD, CARB, and CEC upon reasonable notice (1 hour for weekdays, 8 hours for weekends and holidays). Kern River Cogeneration Company shall make the site available for inspection by the SJVUAPCD, CARB, and CEC during both construction and operation upon reasonable notice (1 hour for weekdays, 8 hours for weekends and holidays).</p>	No action required.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-3	<p>Kern River Cogeneration Company shall comply with the mitigation measures required pursuant to SJVUAPCD Rules and Regulations. These mitigation measures are summarized below: A. To offset SO<sub>2</sub>, NO<sub>2</sub>, TSP and HC emissions, banked SO<sub>2</sub>, NO<sub>2</sub>, TSP, and HC credits will be withdrawn. B. To mitigate CO emissions, efficient combustion design will be employed in the gas turbines. C. All steam generators which are required to be scrubbed as offsets for this project shall be controlled to at least following control efficiencies (fixed emission factors assumed) at all times: PM 42% Control SO<sub>2</sub> 95.3% Control SO<sub>4</sub> 30% Control D. Texaco Exploration &amp; Production, Inc's Kern River Stationary Source steam generator emissions, upon startup of the Kern River cogeneration project shall not exceed the following emission sampling limits (lbm/hr each). On January 18, 1995, the following Kern River Stationary Source steam generator permit identification numbers were provided by the San Joaquin Valley Unified Air Pollution Control District. This equipment is part of the original project mitigation. The Kern County Air Pollution Control District's numbering sequence is retained for convenience. Please note that the units identified in Group "G" and Group "H" are no longer in service. APCD # Input Rating Kern MMBtu/hr/PM/SO<sub>2</sub>/SO<sub>4</sub>/NO<sub>x</sub>/HC/CO County 4003- Group "A"(Uncontrolled Oil-fired) 585 3.5/0.46/4.00/0.24/1.83/0.02/0.12 053, 063, 27.0/3.51/30.87/1.89/10.26/1.18/1.90 066, 095, 107, 29.0/3.77/33.16/2.03/11.02/1.19/1.96 109, 116,119,121 Group "B" (Gas Fired w/O<sub>2</sub> Controllers) 610- 618 31.0/0.15/0.2/0.0/4.34/0.09/1.09 Group "C" (Gas Fired w/O<sub>2</sub> Controllers) 338- 351 62.5/0.31/0.04/0.0/8.75/0.42/2.08 Group "D" (Unscrubbed Oil-Fired w/O<sub>2</sub> Controllers &amp; NH<sub>3</sub> Injection) 235, 236, 62.5/8.13/3.41/1.60/23.81/0.42/2.1 237, 239,241,243,245,251,268,269,323,324,328, 364,367,369, 388-393,407,408,426,427,431,444,445,452 Group "E" (Oil-Fired w/O<sub>2</sub> Controller, NH<sub>3</sub> Injection and Scrubber) 201, 202, 62.5/4.38/2.51/3.06/12.5/0.42/2.08 203, 205,207,209,218,278,292-300, 302,308,314,315,316,318,319,320</p>	<p>The Applicants shall send copies to the CEC of the official notification of valid banking certificates as issued by the SJVUAPCD. Records maintained by the District will be made available to the CEC on request.</p>	<p>Completed 4/86.</p>

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
		205,207,209,218,278,292-300, 302-308,314,315,316,318,319,320, 333-335, 356- 361,372,379,380,395,396,402,403,404,408, 425,432,437,442,443,465 Group "F" (Oil-Fired, w/O2 Controller, NH3 Injection and Scrubber) 208, 210, 62.5/5.16/2.51/3.06/9.38/0.42/2.08 211, 212,219,220,271,275,279-288,428,429 Group "G" (shutdown & Permits to Operate Surrendered) 204, 213, 62.5/0.00/0.00/0.00/0.00/0.00/0.00 217, 221,225-234,238,240,242,244, 247-250,253,254,261-267,270, 272- 274,289,290,291,301,311,312,313,317,321, 322,325,326,327,329,330,331,332,336,362, 363,365,366,368,370,371,373-378,381, 382-387,394, 398-401,405,406,409,410,412, 414- 417,422,424,430,433,434,438,439,440,446, 447,448,451 Group "H" (shutdown & Permits to Operate retained) 206, 214, 62.5/0.00/0.00/0.00/0.00/0.00/0.00 215, 216,222,223,224,246,252, 255-260,276,277,310, 352- 355,397,411,413,418,419,420,421,423,435, 436,441,449,450 NOTE: Units 4003269, 323 & 364 are shutdown if units 4003411, 413 & 421 are operated. Group "I" (shutdown when Group B & Omar Hill turbines are oil-fired) 279- 288, 62.5/0.00/0.00/0.00/0.00/0.00/0.00 388- 392, 428,429,431 Group "J" (shutdown when Sycamore turbines are oil-fired) 235, 236, 62.5/0.00/0.00/0.00/0.00/0.00/0.00 237, 239,324,328		
CEC Decision Air Quality	AQ-4	During the construction phase of the project, the Applicants shall use chemical or water dust suppressants to limit fugitive dust emissions.	The Applicants shall notify the SJVUAPCD when construction begins. The SJVUAPCD will verify compliance with fugitive dust abatement measures.	

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-5	Before implementing any major change in the Air Emissions Control Systems (AECS), Emissions Monitoring Systems (EMS), or the Computer Control System (CCS), Kern River Cogeneration Company shall submit the proposed change to the SJVUAPCD and the CEC for approval. Examples of major changes are the use of an alternative AECS, EMS, or CCS, or a major change in the performance criteria.	Sixty (60) days before implementing any major change identified above, Kern River Cogeneration Company shall submit to the SJVUAPCD and the CEC the design details of the proposed change and a discussion of the potential change in air emissions from the project. Kern River Cogeneration Company shall receive written approval from the SJVUAPCD and CEC prior to implementing any major change.	Design details for all units submitted February 25, 1994. KR-5729 Complete
CEC Decision Air Quality	AQ-6	Kern River Cogeneration Company shall obtain from the U.S. Environmental Protection Agency (EPA) a Prevention of Significant Deterioration (PSD) permit or exemption.	Within 30 days of receipt of the PSD permit or PSD exemption notification from EPA, Kern River Cogeneration Company shall submit a copy of the PSD permit or exemption notification to the CEC and the SJVUAPCD.	PSD permit submitted September 25, 1994. KR-5942 Complete
CEC Decision Air Quality	AQ-7	All areas disturbed by construction in the immediate vicinity, and under Kern River Cogeneration Company's responsibility during the construction phase, shall be properly and routinely treated for dust control by water application or paving (for access roads and construction sites), with the intent of meeting the requirements of SJVUAPCD's nuisance rule.	Kern River Cogeneration Company shall make the construction site available to the SJVUAPCD and CEC for inspection and monitoring. If any dust suppressant other than water is proposed, Kern River Cogeneration Company shall obtain approval from the SJVUAPCD.	As required.
CEC Decision Air Quality	AQ-8	Visible emissions from any single source operation shall not exhibit 20% opacity, or Ringlemann 1 or greater, for periods in excess of 3 minutes in any one hour period.	Kern River Cogeneration Company shall provide SJVUAPCD access to the project site to verify/monitor visible emissions.	No action required.
CEC Decision Air Quality	AQ-9	Exhaust gas particulate matter concentration shall not exceed 0.0072 gr/scf calculated at 12% CO <sub>2</sub> .	Kern River Cogeneration Company shall allow authorized representatives of the SJVUAPCD, CARB, or CEC to enter the power plant site within one hour or sooner of notification to monitor compliance with this Condition.	No action required.
CEC Decision Air Quality	AQ-10	No CTG shall fire fuel oil at any time.	Kern River Cogeneration Company shall maintain a natural gas consumption log on-site for inspection by KCAPCD, SJVUAPCD, CARB and CEC to determine monthly fuel consumed.	Quarterly emissions reports.
CEC Decision Air Quality	AQ-11	The SJVUAPCD shall receive immediate notification of pending operational status changes of turbine and HRSGs listed in condition AQ-2. Operational records (including but not limited to fuel characteristics) shall be maintained by Kern River Cogeneration Company and made available to SJVUAPCD staff upon request.	Kern River Cogeneration Company shall make the operational logs available for inspection by the SJVUAPCD, CARB, and CEC staff. Kern River Cogeneration Company shall provide the SJVUAPCD and CEC with copies of the operational logs upon request. Monthly fuel use and fuel type logs for each turbine-generator set shall be included in the quarterly compliance reports submitted to the CEC.	Quarterly emissions reports.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-12	The water injection system shall be used, as required, to control NOx emissions at or below 140 lbm NOx/hr until such time as the DLN combustors are operational according to the schedule in condition AQ-27.	Kern River Cogeneration Company shall maintain records on the operation of the water injection system for the turbines as a part of the operational log required in Condition AQ-11. Kern River Cogeneration Company shall provide SJVUAPCD and CEC with copies of the log upon request.	All four turbine units have been converted to DLN technology as of April, 1999.
CEC Decision Air Quality	AQ-14	Accurate records of NOx (as NO2) and CO flue gas concentrations corrected to 15% O2 dry, and CTG fuel sulfur content, shall be maintained and shall be reported upon request.	Kern River Cogeneration Company shall make the continuous emission monitors and recorded measurements as well as fuel consumption records, available to the SJVUAPCD, CARB, and CEC upon request.	Quarterly emissions reports.
CEC Decision Air Quality	AQ-15	All tank welds, seams, gauge hatches, sampling ports, and pressure relief valves shall have no emissions.	Kern River Cogeneration Company shall provide access to the SJVUAPCD to inspect tank welds, seams, gauge hatches, sampling ports, and pressure relief valves.	No action required.
CEC Decision Air Quality	AQ-16	Tankage water drafts, if any, shall consist of closed piping to the existing water treatment plant.	Kern River Cogeneration Company shall provide access to the SJVUAPCD to inspect the tankage water system.	No action required.
CEC Decision Air Quality	AQ-17	a. Start-up or planned shutdown of a CTG shall not exceed a time period of two (2) continuous hours. b. For all CTGs the following emission limits shall apply during times of start-up or shutdown and shall be averaged over the time period specified below: NO2 140.0 lbm/hr (2-hr average) not to exceed 3360 lb/day CO 200 lbm/hr (1-hr average), 140.0 lbm/hr (2-hr average) not to exceed 3360 lb/day	Kern River Cogeneration Company shall maintain records necessary to submit quarterly reports to show start-up or planned shutdown days and daily emissions for those days. This information shall be included in the quarterly reports to be submitted to the CEC and SJVUAPCD.	Quarterly emissions reports.
CEC Decision Air Quality	AQ-18	Pollutant emissions from each combustion turbine shall not exceed the following limits except during times of start-up or shutdown as defined in Condition AQ-17: Gas Fired Case: Particulates - 5.0 lbm/hr as PM10 - 120.0 lbm/day as PM10 Sulfur Compounds - 0.9 lbm/hr as SOx (as SO2) - 21.6 lbm/day as SOx (as SO2) - 0.6 lbm/hr as SO4 Oxides of Nitrogen - 552.8 lbm/day and - 12.4 lbm/hr as NO2 and 3 ppmv at 15% O2 calculated on a 3 hour rolling average Hydrocarbons - 12.0 lbm/hr (Non-methane) - 288.0 lbm/day Carbon Monoxide - 1056 lbm/day and - 25 ppmv at 15% O2 - 44.0 lbm/hr 3-hour rolling average	KRCC shall submit quarterly emission reports with all the information identified in the above protocol to the CEC compliance project manager.	Quarterly emissions reports.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-19	A continuous emission monitoring system for NOx (as NO2), CO and CO2 shall serve each CTG flue gas stream and shall conform to SJVUAPCD Rules and Regulations.	Kern River Cogeneration Company shall submit to the SJVUAPCD and CEC, 120 days before the start-up of the facility, a continuous emission monitoring plan. The plan will describe the monitoring equipment, monitoring locations, calibration techniques and schedules, and reporting format, procedures and schedules. Within 60 days of receipt of the plan, the SJVUAPCD will advise KRCC and the CEC of the acceptability of the plan.	Complete.
CEC Decision Air Quality	AQ-20	All continuous emission monitoring systems shall be calibrated and operated according to EPA guidelines as specified in CFR Title 40 Part 60, Appendix B.	The continuous emission monitoring plan submitted by Kern River Cogeneration Company under condition AQ-19 shall include specifications that all continuous emissions monitoring systems shall be calibrated and operated according to EPA guidelines specified in CFR Title 40, Part 60, Appendix B.	Complete.
CEC Decision Air Quality	AQ-23	Quarterly continuous monitoring system reports shall be submitted to SJVUAPCD and CEC, as required by EPA regulations as specified in CFR Title 40, Part 58, Appendix B and Part 60 Appendix B for the operating life of the monitoring stations by KRCC. ADDENDUM: Per CEC letter dated 12/20/96, Periodic Compliance Quarterly reporting shall be discontinued. All information contained in CEC Quarterly reports will now be included in future CEC Annual Compliance reports.	Reports shall be submitted on a quarterly basis to SJVUAPCD only per the above requirement and addendum.	Quarterly emissions reports.
CEC Decision Air Quality	AQ-24	Audits of continuous emissions monitor system shall be conducted by an independent laboratory in accordance with EPA guidelines, witnessed by the District, and reports shall be submitted to the District within 30 days of such audit for the operating life of the monitoring stations by KRCC.	The audits for all continuous monitors and ambient air monitors will be funded by Kern River Cogeneration Company and performed by an independent laboratory in accordance with EPA monitoring guidelines. The SJVUAPCD, CARB, and CEC staff shall be allowed to witness the audit testing. The audit reports shall be submitted to the SJVUAPCD within 30 days of each audit.	Quarterly emissions reports.
CEC Decision Air Quality	AQ-25	Kern River Cogeneration Company shall provide to the District upon request, a report of fuel purchased.	Kern River Cogeneration Company shall provide upon request the fuel report, including but not limited to quantity and Btu content (LHV).	Quarterly emissions reports.
CEC Decision Air Quality	AQ-26	Prior to installation, Kern River Cogeneration Company shall provide to the District details of design as they relate to air contaminant generation, emission, or control potential of the following: CTG DLN combustion systems.	Kern River Cogeneration Company shall provide the above information to the SJVUAPCD and CEC 60 days before installation of the equipment identified in Condition AQ-26.	

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Air Quality	AQ-27	Of the four (4) CTGs at the Sycamore Cogeneration Facility and the four (4) CTGs at the Kern River Cogeneration Facility, five (5) of the CTGs shall be operational with DLN combusters by August 18, and all eight (8) CTGs must be operational with DLN combusters by August 18, 2000.	The Kern River Cogeneration Company shall submit to SJVUAPCD and the CEC on or before September 18, 1998 and September 18, 2000 evidence of full compliance with this condition.	Complete. DLN Retrofit Schedule: Sycamore - Unit 1 - Completed March 1997. - Unit 2 - Completed November 1997. - Unit 3 - Completed October 1996. - Unit 4 - Completed May 1997. KRCC - Unit 1 - Completed March 1995. - Unit 2 - Completed October 1995. - Unit 3 - Completed April 1999. - Unit 4 - Completed April 1998.
CEC Decision Air Quality	AQ-28	The project's black-start diesel I.C. engine shall be used only during emergencies or during yearly maintenance for not more than one hour per week without prior District approval. Operating records shall be maintained and made available to the District and the CEC staff upon request.	The Applicant shall maintain and make available to the CEC and the SJVUAPCD operational records pertaining to the emergency black-start diesel I.C. engine.	All operational records are maintained at the site and are available for review upon request.
CEC Decision Air Quality	New Item			

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	BIO-1	<p>A qualified biologist* shall be designated by the Applicants to advise the supervising construction engineer of details concerning required biological surveys and mitigation prior to need for their implementation. The biologist shall monitor, as necessary, implementation of construction related mitigation measures. The supervising construction engineer will act on the advice of the biologist to correct or temporarily halt construction practices which are not in conformance with the biological resources mitigation/compensation plan or the terms and conditions of AFC certification, or to protect biological resources until corrective action can be taken. The designated biologist shall monitor or supervise implementation of postconstruction biological mitigation and monitoring programs. With respect to the overall implementation, if CEC determines any specific mitigation measure or monitoring program is not implemented, is done incorrectly, or is ineffective, the Applicants in consultation with CEC and California Department of Fish and Game (CDFG), will take action to correct the problem. The Applicants will allow CEC and CDFG staff access to evaluate and observe the progress of mitigation measures. * A qualified biologist is defined as being certified by or meeting certification requirements of a nationally recognized biological society, such as the American Ecological Society or The Wildlife Society, and meeting minimum requirements of having a bachelor's degree in biological science, zoology, botany, ecology, or a closely related field, plus three years of working experience in field biology. Formal advanced education may be substituted for experience on a year-for-year basis up to a maximum of two years.</p>	<p>The Applicants shall provide the CEC and CDFG with the name and telephone number of the biologist who will be supervising construction and post-construction activity. This biologist shall inform CEC staff by telephone, as soon as possible, of problems relating to this Condition so that an acceptable resolution can be identified. The Applicants shall prepare a written report describing any problems and the corrective actions taken. This report shall be included in the Applicants' compliance statement.</p>	Completed.
CEC Decision Biological Resources	BIO-2	<p>The Applicants shall implement the mitigation measures identified in the AFC for the cogeneration facility site, related facilities, and for the transmission line (Exhibit 2 (AFC) Section 3.6, p. V.B.-15 to V.B.-17, and Section 4.6 p. V.C.-19 to V.C.-20).</p>	<p>The Applicants' biologist will prepare semiannual compliance statements verifying compliance with the biological resource mitigation/compensation plan. These statements shall be submitted to both the CEC and CDFG beginning six months after the start of construction and continuing until one year after the start of commercial operation. Thereafter, annual compliance statements shall be submitted to the CEC and CDFG until all measures are successfully implemented.</p>	Completed 2/87.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	BIO-3	<p>The Applicants shall implement the additional measures recommended to protect wildlife, the Bakersfield cactus, and to allow disturbed areas to revegetate naturally, including:</p> <p>a. Prior to construction activities, the Applicants shall fence populations of Bakersfield cactus near the fuel storage area to prevent accidental disturbance during construction. No disturbance of this population is anticipated.</p> <p>b. The Applicants shall transplant the existing small population of Bakersfield cactus near the cogeneration site to another area in the vicinity, with suitable habitat, that is free from planned development disturbance. Transplanting of these populations shall be phased to assure the transplanted portion has become established prior to removing the last part of the existing cactus stand. The existing cactus populations shall be fenced to protect them from development and accidental disturbance until the final transplanting phase is completed. A detailed implementation plan and schedule for relocation and monitoring the Bakersfield cactus shall be submitted to CEC and CDFG staff for review and approval prior to commencing relocation activities.</p> <p>c. The Applicants shall take measures to protect the Bakersfield cactus locations along the transmission line right-of-way and access roads from disturbance. Measures will include fencing, if agreements with the landowner are completed, along the edge of Bakersfield cactus populations adjacent to roads and tower pad construction areas and avoidance of side-casting of earth onto cactus populations. If arrangements to fence the cactus populations cannot be made with the landowner, other measures will be taken. No disturbance of Bakersfield cactus populations is planned; however, if cactus populations are disturbed, the Applicants shall salvage the cactus and attempt to reestablish the population.</p> <p>d. All temporarily disturbed areas for the cogeneration site, related facilities, and the transmission line shall be allowed to revegetate naturally. These areas shall be monitored by the Applicants' biologist. If revegetation does not proceed in a reasonable fashion by the end of the second year after construction activities are completed, the Applicants shall meet with</p>	<p>The Applicants' biologist shall prepare semiannual compliance statements verifying compliance with the biological resource mitigation/compliance plan. These statements shall be submitted to both the CEC and CDFG beginning six months after the start of commercial operation. Thereafter, annual compliance statements shall be submitted to the CEC and CDFG until all measures are successfully implemented. If the first phases of the Bakersfield cactus relocation are not successful, the Applicants shall notify the CEC and meet with the CEC and CDFG staff to determine appropriate action to be taken prior to further transplanting activity.</p>	Completed Submitted 9/27/89 KR-2805

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Biological Resources	BIO-4	<p>year after construction activities are completed, the Applicants shall meet with CEC and CDFG biologists to determine appropriate measures to ensure adequate revegetation. If revegetation is undertaken for specific erosion control measures, it will be done using naturally occurring species. Specific plant species to be used will be developed in consultation with CEC and CDFG biologists. e. Prior to taking any action to remove sensitive species from project areas, the Applicants shall notify and consult with CDFG and CEC staff to determine the appropriate methods to be used. f. Active kit fox denning sites will not be disturbed. Particular effort shall be made by the Applicants to avoid disturbance around active denning sites from April 1 to July 31.</p> <p>The Applicants shall develop and submit a detailed plan for implementing biological resource mitigation and monitoring measures for the cogeneration plant site, related facilities, and for the transmission line as determined in the AFC decision.</p>	<p>The Applicants shall submit the detailed implementation plan, including methods, maps, monitoring programs, and implementation schedules to the CEC and CDFG for review and approval at least 90 days prior to the planned beginning of construction of the cogeneration plant site and for related facilities and 90 days prior to planned construction of the transmission line. The Applicants shall submit the detailed Bakersfield cactus implementation plan, including methods to be used in relocating the cactus, maps showing each relocation area, monitoring program, and implementation schedule to the CEC and CDFG for review and approval at least 6 days prior to commencing relocation activities.</p>	Completed.
CEC Decision Biological Resources	BIO-5	<p>One year before the power plant and/or transmission line is due to be activated, the Applicants will prepare a decommissioning plan which includes a biological resource element</p>	<p>The Applicants will submit the biological resources element of the decommissioning plan to the CEC and CDFG for a determination of adequacy and acceptability.</p>	Due 60 days prior to deactivation.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Civil Engineering	9.1	The Applicants shall submit 2 sets of the final design grading plans, geotechnical investigation reports, specifications, and calculations to the Kern County CBO for review at least 90 days prior to site preparation and grading. The Applicants' responsible civil engineer and the Applicants' certified engineering geologist shall verify that the proposed grading plans, including accompanying reports, comply with the requirements set forth in the applicable laws, ordinances and standards. The Applicants shall make in-lieu payments for services rendered to the reviewing entity computed based on the fees listed in Chapter 70 of the UBC or applicable Kern County requirements for review of the grading plans and calculations. The CBO shall check the plans, specifications, and calculations in accordance with the county's plan check procedures. If the plans do not comply with the UBC or pertinent laws or standards, the CBO shall notify the Applicants' civil engineer identifying all discrepancies for correction. The Applicants shall submit revised plans rectifying all discrepancies. The Applicants shall do no grading until the corrections are accepted and the requirements are met.	If the work described in the grading plans conforms to the county's grading requirements, the CBO shall return to the Applicants one complete set of the submittals stamped and signed with his approval and shall issue an in-lieu grading permit within 90 days of the original submittal. The Applicants shall notify the CEC within five days following the receipt of the grading permit.	Completed.
CEC Decision Civil Engineering	9.2	Within 180 days after completing the rough grading, the Applicants shall prepare and submit to the Kern County CBO one copy each of the following: * A summary of Soil Compaction Tests; * A Soil Grading Report signed by a qualified soil engineer; * A Geologic Grading Report signed by a certified engineering geologist; * "As-Graded" grading drawings. The Applicants' responsible civil engineer shall certify on the "As-Graded" drawings that all site earthwork was done in accordance with the approved final grading plan, including subsequent change orders, and that it satisfies the design intent; and * A final report and site approval signed by the responsible civil engineer.	All submittals listed above shall be deemed approved by the CBO unless the Applicants are notified otherwise within 60 days of receipt. The Applicants shall submit a supplementary report to the CBO after completing both the excavation of all foundations and the finishing grading.	Submitted 2/18/85 to CBO.
CEC Decision Civil Engineering	9.3	Until the power plant has started commercial operation, the Applicants shall prepare and submit to the Kern County CBO and the CEC monthly construction progress reports.	These periodic construction progress reports shall be submitted monthly until the cogeneration project has started commercial operation.	Completed 9/85

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Civil Engineering	9.4	The Applicants shall prepare and submit to the Kern County CBO one copy of the "as-built" drawings for the construction of civil work.	"As-Built" drawings of the construction of civil work shall be submitted by the Applicants within 180 days after completion of such work.	Completed 11/85.
CEC Decision Civil Engineering	9.5	The Applicants shall comply with all recommendations (e.g., densification of loose existing fill materials in foundation areas) in the AFC (Appendix D) and accompanying geotechnical reports if the conditions are substantially similar to those predicted in the AFC and accompanying reports.	The Applicants shall verify compliance by means of the grading reports submitted to the Kern County CBO.	Completed 2/85.
CEC Decision Civil Engineering	9.6	The Applicants shall ensure that erosion control mitigation measures are implemented (as stated in Section 8, Soils) which are sufficient to stabilize the excavations in the plant site area, fuel line area, and electric transmission line area.	The Applicants' civil engineer shall provide the CEC with a statement of the implemented mitigation measures in a periodic compliance report.	Completed.
CEC Decision Civil Engineering	9.7	On-site inspections shall be performed in accordance with Chapter 3 of the UBC. Inspection shall be done by the Kern County CBO or his agent. Special and continuous inspections may be delegated by the CBO to the Applicants as provided in Chapter 3 of the UBC.	If the CBO or his agent finds that the work is being done in accordance with the approved plans, he shall report this in a monthly report to the CBO and CEC. If the CBO or his agent finds that the work is not being done in accordance with the approved plans, the discrepancies shall be reported immediately in writing to the CBO, the CEC, and the Applicants' responsible civil engineer.	Completed 9/85.
CEC Decision Cultural Resources	Cu-1	The Applicants shall designate a qualified cultural resources specialist who will: a. Oversee development and implementation of all cultural resource impact mitigation procedures necessitated by construction and operation of the proposed project. b. Oversee preparation of requisite survey reports, site records, maps, and photographs associated with cultural resource sites and materials identified during preproject planning and mitigation of project-related construction activities; and c. Ensure timely filing of appropriate site records, survey reports, maps, and photographs with the State Historic Preservation Office and the South Central Regional Archaeological Center at Bakersfield College.	The Applicants shall provide the CEC with the name and telephone number of their designated cultural resources specialist at least 30 days prior to the start of any project-related site preparation or construction activities. The Applicants shall also provide the CEC with a copy of the cultural resource specialist's contractual commitment to perform tasks a - c above, and shall notify the CEC when each of these tasks are completed.	Completed.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Cultural Resources	Cul-2	The Applicants shall insure that: a. Subsurface testing is conducted at CA-Ker-1437 by or under the direct supervision of their designated cultural resource specialist prior to any further ground disturbance or construction activities in the immediate vicinity of the site; b. A report is prepared by or under the direct supervision of the designated cultural resource specialist, fully assessing the significance and the integrity of the resources at site CA-Ker-1437; c. An appropriate impact mitigation plan is developed by or under the direct supervision of the cultural resource specialist, based upon the results of the subsurface testing at CA-Ker-1437; d. Tribal officials at the Tule River Indian Reservation are contacted to elicit their comments on the development of the testing and mitigation programs for the cultural resources at site CA-Ker-1437; and e. The implementation of the impact mitigation program for site CA-Ker-1437 is completed prior to any construction-related ground disturbance in the vicinity of this resource site.	The Applicants shall file copies of all survey reports, site records, maps, and photographs associated with the subsurface testing, evaluation, and mitigation of impacts at archaeological site CA-Ker-1437 with the State Historic Preservation Office at the South Central Regional Archaeological Information Center at Bakersfield College. These materials shall be filed with the repository agencies within 90 days following completion of mitigation procedures at this site (additional time may be granted if needed). The Applicants shall provide a summary of the testing, evaluation, and mitigation activities for site CA-Ker-1437 in their periodic compliance reports to the CEC.	Completed.
CEC Decision Cultural Resources	Cul-3	If previously unidentified cultural resource sites are discovered or unearthed during construction of the proposed project and appurtenant facilities, work in the immediate area of the discoveries will be halted and the Applicants' designated cultural resource specialist will be consulted to provide an evaluation of the resource. The Applicants shall notify the CEC of the resource discovery and work stoppage within 24 hours or by the next working day. Representatives of the Applicants, the CEC, and the South Regional Archaeological Information Center at Bakersfield College shall meet with the Applicants' designated cultural resource specialist within two working days of the notification to discuss the possible mitigation measures. Pending resolution of this matter in accordance with the Dispute Resolution Procedures, construction activity in the resource area shall remain stopped.	The Applicants shall notify the CEC within 24 hours or by the next working day of the discovery and work stoppage.	None encountered to date.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Cultural Resources	Cul-4	Upon completion of any additional cultural resource surveys or any other cultural resource mitigation activities necessitated by construction and operation of the proposed Kern River Field cogeneration project, the Applicants shall ensure that all the necessary survey information, site reports, and maps are prepared. Copies of these reports and maps shall be filed with the State Historic Preservation Office and with the South Central Regional Archaeological Information Center at Bakersfield College.	The Applicants shall provide the CEC with copies of letters of transmittal of any such materials to these repository agencies.	

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Noise	Noise-1	<p>The Applicants shall implement the following mitigation measures, as necessary, to comply with the applicable Kern County and CAL/OSHA noise standards: a. Specification of noise limits for noise generating equipment; b. Multiple parallel baffle silencing of the combustion turbine exhaust noise; c. Acoustically treated plenums and silencers for combustion turbine inlet noise; d. Enclosures or acoustic barriers for pump, generator, fan, or blower noise; e. Silencers of mufflers for inlet or exhaust air noise or fans or blowers; f. Acoustic barriers for transformers; g. Acoustic lagging for piping or duct fluid flow noise; and h. Relocation of noise sources to avoid adverse impacts. i. Because the construction of the transmission line might result in a noise impact on noise sensitive receptors within 1 mile of the construction site during night-time hours, the Applicants shall limit construction activities on the transmission line to daylight hours to the extent feasible when there are noise sensitive receptors within 1 mile of the construction site. j. The Applicants shall conduct noise surveys of the employee work stations, major noise sources, and the general working area of the facility to determine compliance with CAL/OSHA standards. The Applicants shall measure both the amplitude and frequency spectrum of the noise. Based on these noise surveys, the Applicants shall determine whether it is necessary to apply additional mitigation measures such as noise controls, administrative procedures, personal hearing protection, and a rigorous safety program.</p>	<p>In the first annual compliance report after construction is complete and operation of the facility has begun, the Applicants shall provide a statement verifying that the above mitigation measures have been implemented.</p>	<p>Completed 9/85.</p>
CEC Decision Noise	Noise-2	<p>The Applicants shall comply with Kern County Noise Element Standards, which is 60 dBA day and 55dBA night for insensitive land uses. In the event that the Kern County Planning Department, SCE, or Getty Oil receives public complaints of the noise due to construction or operation, Kern County and the Applicants shall promptly conduct an investigation to determine the extent of the problem. The Applicants shall develop a procedure for handling such complaints.</p>	<p>At least 90 days before construction begins, the Applicants shall submit to the CEC and the Kern County Planning Department, a procedure for handling public complaints. Kern County will notify the Applicants and the CEC when Kern County deems the plan acceptable.</p>	<p>Completed 5/84.</p>

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Noise	Noise-3	Within 10 days of a request by the Kern County Planning Department, the Applicants shall commence conducting noise surveys at the sensitive receptors registering complaints at the facility property line nearest the complaining receptors. Surveys shall be conducted under circumstances similar to those when the complaints were perceived. The survey should be reported in terms of the Lx and Leq levels (x = 10, 50, and 90). The Applicants shall identify and implement feasible mitigation measures necessary to assure compliance with the county standards.	Within 30 days following completion of the survey, the Applicants shall promptly forward to the Kern County Planning Department the survey results, the mitigation measures applied to resolve the problem, and the results of these efforts. Kern County shall advise the CEC of any noncompliance conditions.	None requested to date.
CEC Decision Noise	Noise-4	Within 90 days after the plant reached its rated power generation capacity and construction is complete, the Applicants shall conduct a noise survey at 500 feet from the generating station. The survey will cover a 24-hour period with results reported in terms of Lx (x = 10, 50, and 90), Leq, and Ldn levels. The Applicants shall prepare a report of the survey that will be used to determine the plant's conformance with county standards. In the event that county standards are being exceeded, the report shall also contain a mitigation plan and a schedule to correct the noncompliance. No additional noise surveys of off-site operational noise are required unless the public registers complaints or the noise from the project is suspected of increasing due to a change in the operation of the facility.	Within 30 days of the noise survey, the Applicants shall submit its report to the Kern County Planning Department	Completed 9/85.
CEC Decision Noise	Noise-5	Within 180 days after the start of commercial operation, the Applicants shall prepare a noise survey report for the noise hazardous areas in the facility. The survey shall be conducted by a qualified person in accordance with the provisions in Title 8, CAC, Article 105. The survey results will be used to determine the magnitude of employee noise exposure. If employee complaints of excessive noise arise during the life of the project, CAL/DOSH shall make a compliance determination.	The Applicants shall notify CAL/DOSH and the CEC of the availability of the report.	Completed 9/85.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Powerplant Reliability	17.1	The Applicants shall report to the CEC information containing, as a minimum, the following parameters: capacity factor, availability factor, forced outage rate, and outage duration and cause. ADDENDUM: Per CEC letter dated 12/20/96, Future Annual CEC Compliance reports shall also contain all information normally submitted in CEC Quarterly Compliance reports. (CEC Quarterly Compliance reporting discontinued as of 12/20/96)	The Applicants shall submit such information in the annual compliance report to the CEC.	
CEC Decision Powerplant Reliability	17.2	This facility shall be operated as a cogenerating system in accordance with the definition of "cogeneration" contained in PRC Section 25134(b).	The Applicants shall file each year with the CEC an annual report demonstrating, through appropriate energy utilization calculations, that the facility is operating consistently with Section PRC 25134(b). This report shall also describe the type, frequency, and duration of any periods during which the facility, or its individual units is used solely for the purpose of electricity generation. The report shall be certified by the plant manager. The Applicants shall notify the CEC of each instance in which permission to operate in a noncogeneration mode is requested from KCAPCD pursuant to the Final Determination of Compliance (Appendix B of this Decision), operational condition f. Such notification shall be provided to the CEC within 10 working days of any such request by the KCAPCD.	
CEC Decision Public Health	PH-1	The Applicants shall request the CAL/OSHA Consultation Service to review a worker health and safety program at the proposed facility.	A copy of the written response from CAL/OSHA Consultation Service evidencing the adequacy of the worker health and safety program shall be filed with the CEC not later than 30 days prior to the operation of the proposed facility.	Completed 9/85.
CEC Decision Public/Worker Safety	12.1	The Applicants shall implement an accident prevention program in accordance with the provisions of sections 1509 and 3203, et. seq. of Title 8, CAC. The Applicants shall request that the CAL/OSHA Consultation Service review their accident prevention program.	The Applicants shall request a letter from the CAL/OSHA Consultation Service certifying compliance with the requirements of Sections 1509 and 3203, Title 8, CAC. Notification of compliance verification by CAL/OSHA shall be filed with the CEC prior to commencing construction of the Kern River cogeneration facility.	Completed 5/8/84.
CEC Decision Public/Worker Safety	12.2	The Applicants shall cooperate with the CAL/DOSH regarding any on-site worker safety inspection during construction or operation of the facility or pursuant to an employee complaint.	The Applicants shall note any CAL/DOSH inspections in its periodic compliance reports and shall request that CAL/DOSH notify the CEC in writing of a violation that could involve CAL/DOSH action affecting the construction or operation schedule and what the necessary corrective action will be.	Report submitted to CEC 12/84.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Public/Worker Safety	12.3	The Applicants shall develop and implement a fire protection program for the Kern River cogeneration facility in accordance with applicable laws and standards. The Applicants shall file drawings and construction and operation fire safety plans and programs with the Kern County Fire Department, Fire Protection Bureau.	Prior to the start of construction, the Applicants shall submit to the CEC a letter from the Kern County Fire Department attesting to the adequacy of the fire protection program for the Kern River cogeneration facility.	Completed 7/86.
CEC Decision Public/Worker Safety	12.4	The Applicants shall certify that design, construction, and operation of the facility are in reasonable conformance with applicable safety codes and standards.	The Applicants shall submit such certification from a registered fire protection engineer or insurance underwriter in a compliance report prior to commercial operation.	Completed 7/86.
CEC Decision Public/Worker Safety	12.5	The Applicants shall ensure that fuel oil tanks have been designed and fabricated in accordance with API Standard 650, including Appendix E, Title 8, CAC, Chapter 4, and TID 7024.	The Applicants shall submit a letter signed by a registered mechanical engineer verifying compliance to the CEC prior to commercial operation. In addition, CAL/DOSH shall verify compliance through site inspection.	Completed 9/85.
CEC Decision Public/Worker Safety	12.6	The Applicants shall ensure the fuel oil pipeline system will be designed and operated in accordance with Title 49, Part 195, Transportation of Liquids by Pipelines, ANSI 31.4: Transportation of Pipeline Systems, and NFPA 30: Flammable and Combustible Liquids Code.	The Applicants shall submit a letter signed by a registered mechanical engineer verifying compliance to the CEC prior to commercial operation. In addition, CAL/DOSH shall verify compliance through site inspection.	Completed 9/85.
CEC Decision Public/Worker Safety	12.7	The Applicants shall comply with the handling and storage procedures for hydrogen gas as specified in Title 8, CAC, Article 138.	The Applicants shall submit a letter signed by the plant superintendent certifying compliance to CAL/OSHA standards within 180 days after beginning commercial operation.	Completed 3/86.
CEC Decision Public/Worker Safety	12.8	The Applicants shall ensure that the sulfuric acid tank has been designed in accordance with API 620, and comply with the handling, storage, and transportation procedures as specified in Title 8 CAC, Article 109, and CFR, Section 173.272.	Prior to commercial operation, the Applicants shall submit a letter to the CEC, signed by the plant superintendent, verifying compliance with the above-stated codes.	Completed 9/85.
CEC Decision Public/Worker Safety	12.9	The Applicants shall ensure that the caustic tank has been designed in accordance with API 620 and comply with the handling, storage, and transportation procedures as specified in Title 8 CAC, Article 109, and CFR 173.249.	Prior to commercial operation, the Applicants shall submit a letter to the CEC, signed by the plant superintendent, verifying compliance with the above-stated codes.	Completed 9/85.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Soil Conservation	8.1	The Applicants shall submit an erosion control plan (for wind and water caused erosion) specifying the following mitigation measures and identifying (on a site map) the areas of implementation for those measures: * Compact all fill material used in construction of the pad; * Bench or slope step of cut slopes as required to control erosion; * Provide upslope interceptor ditches; * Utilize open-lined ditches for drainage; * Surface most of the enclosed area 3-4 inches (7.6 - 10 cm) deep with crushed rock; * Hydroseed areas where needed; * Provide temporary and permanent erosion controls; and * Minimize areas of disturbance.	Sixty days prior to commencing site preparation the Applicants shall submit the erosion control plan with the CEC for review and comment. This plan may be consolidated with the required grading plan.	Completed.
CEC Decision Soil Conservation	8.2	The Applicants shall minimize soil related impacts by implementing the measures specified in the above identified erosion control plan.	Within 180 days after "turbine roll" begins, the Applicants shall file "as-built" engineering plans of those soil related measures with the Kern County CBO and the CEC Compliance Audit Manager. An affidavit signed by the project manager shall accompany the CEC filing identifying those areas or methods of deviation from those identified in the AFC (Exhibit 2). * Turbine roll as used in the power plant industry refers to the fine tuning or shakedown period prior to commercial operation.	Completed 11/85.
CEC Decision Structural Engineering	10.1	The Applicants shall furnish a complete description of the proposed structural and seismic analysis methods for the plant structures and equipment, along with preliminary plans (plan, elevation, section, and details) of the proposed plant structures and equipment supports. Except for very simple structures (such as a transformer anchorage), the description shall include a sketch showing proposed model, number of static and/or dynamic degrees of freedom, number of members (elements), element types, and all assumptions.	At least 120 days prior to the intended filing of design plans per condition 10-2, the Applicants shall submit 3 copies of a report discussing the proposed structural analysis methods including preliminary structure data to the CEC for approval.	Completed 2/9/84.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Structural Engineering	10.2	<p>The Applicants shall design and construct the Kern River project and its related facilities to be in conformance with the applicable laws, ordinances, standards, and practices set forth above, and with the information, criteria, and methods set forth below. * Getty Oil Company, "Kern River Field Cogeneration Project" AFC; Sections V.A.1 through V.A.5 and Appendix A. (Exhibit 2) * Applicants' Supplemental Response to Staff Statement of Defects, dated September 8, 1982. (Exhibit 4) * "Applicants' Response to CEC AFC Data Request per Telephone Conferences on September 13 and 15, 1982," dated September 22, 1982. (Exhibit 5) * Applicants' Response to Second Staff Data Request, dated November 9, 1982. (Exhibit 8) The Applicants shall also design and construct the Kern River project and its related facilities in accordance with the following supplementary criteria: * Steel embeddings shall be designed in accordance with ACI 349-76, Appendix B (adopted 1989). * Exhaust and bypass stacks shall be designed in accordance with the wind design criteria and analysis methods set forth in Appendix G of "Applicant's Response to CEC AFC Data Request per Telephone Conference on September 13 and 15, 1982." The latest edition of the standards referenced in Appendix G shall be used. * The values for use in UBC Equation 11-1 for the wind design of the oil storage tank shall be <math>C_q = 1.4</math>, <math>C_e = 1.5</math>. * Minimum ELF coefficient for structures not supporting equipment: 0.20 horizontal. * Minimum ELF coefficient for structures supporting equipment: 0.20 horizontal plus 0.13 vertical applied concurrently. * Design and anchorage of equipment or components: Use UBC Equation 12-8 (<math>Z = 1.0</math>, <math>I = 1.0</math>, <math>C_p \geq 0.30</math> and as set forth in UBC Table No. 23-J). Footnote 3 to Table No. 23-J requires that equipment be designed to the same ELF as the anchorage. <math>C_p</math> shall be adjusted upward from 0.30 for flexible and flexibly mounted equipment. * The period, <math>T</math>, for the stacks shall be determined using a simple cantilever model or a multidegree of freedom lumped mass model, as appropriate, in lieu of UBC Equations 12-3A or 12-3B. * The distribution of lateral forces shall be in accordance with UBC Section 2512(a)3 and</p>	<p>At least 195 days prior to the intended start of any increment of construction, the Applicants shall submit 3 sets each of final (i.e., bid) design plans, specifications, and calculations for each structure or structure foundation to both the Kern County CBO and the CEC. The final plans, calculations, and specifications shall clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. The CBO will review the plans, specifications, and calculations. If the CBO or the CEC discover nonconformance with the stated requirements, he/they will notify the Applicants' responsible structural or civil engineer within 90 days of the submittal date and will return that nonconforming portion of the plans to the Applicants for correction. The Applicants' responsible structural engineer will resubmit the corrected plans within 30 days of the return to the Applicants with the nonconforming submittal. The CBO will return 1 complete set of submittals stamped and signed with his approval to the Applicants within 75 days of submittal, provided the plans comply with the stated requirements. If comments are not received from CEC staff or the CBO within 90 days of the original submittal, the Applicants may proceed with the construction in conformity with all conditions of certification. In the event of a resubmittal of corrected plans, and comments are not received from the CEC staff or CBO within 75 days of the resubmittal, then the Applicants may</p>	Completed.

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		<p>distribution of lateral forces shall be in accordance with UBC Section 2512(e)3 and may require the use of sophisticated models for irregular structures. * For use in UBC Equation 12-1, <math>K = 2.0</math> for the HRSG support structure, stacks, CTG enclosure box, CTG inlet and exhaust support structures, CTG foundation, and switchyard and other equipment structures and foundations. K factor for CTG enclosure box may be reduced based on final design furnished per Condition 10-2. * For use with API 650-80, Appendix E, <math>C1 = 0.24</math> independent of period. In the case of discrepancies between the design criteria contained in the applicable laws, ordinances, standards, practices, or conditions of certification, the Applicants will use the most conservative criteria (i.e., the highest calculated loads and the lowest allowable stresses) in the final design of the facility. The design criteria and analysis methods set forth above are minimum acceptable criteria based on the conceptual information presented during the AFC proceeding. These minimum design criteria are subject to change if the data filed under Condition 10-1 differ from the conceptual information provided during the AFC proceeding. The Applicants shall certify to the CBO and the CEC that the final plans and specifications conform to the listed requirements. The Applicants shall make in-lieu payments for services rendered to the reviewing entity calculated based on the fees set forth in Kern County Resolution No. 82-298 (or the county's fee schedule in effect when filing) for review and obtain an in-lieu building permit for each submittal.</p>		

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Structural Engineering	10.3	The Applicants shall prepare and submit 1 set of the following documents to the Kern County CBO within 180 days after completion of construction. These documents will be reviewed by the CBO, who shall notify the Applicants of his approval of the documents within 60 days of receipt: * "As-built" drawings for the construction of structural and architectural work (changes approved by the CBO will be identified on the "as-built" drawings, * Summary of concrete strength tests, * Copies of concrete pour sign-off sheets, * Bolt torque inspection reports, * Field weld inspection sheets.	The Applicants shall notify the CEC following the submittal of these documents to the Kern County CBO.	Completed.
CEC Decision Structural Engineering	10.4	The Applicants shall keep the Kern County CBO and the CEC informed regarding the status of construction.	The Applicants shall submit a monthly construction progress report to the Kern County CBO and the CEC.	Completed 9/85.
CEC Decision Structural Engineering	10.5	The Applicants shall file with the Kern County CBO and the CEC substantial design changes to the final plans as required by UBC Section 302. "Substantial changes" include all changes requiring an alteration in design concept and preparation of new design plans or design calculations consistent with the AFC conditions of certification or compliance requirements. Minor changes shall be reflected in the "as-built" drawings submitted after construction.	The Applicants shall submit 3 sets of the revised drawings, specifications, and calculations to the Kern County CBO for review and to the CEC, and will notify the CBO and the CEC at least 15 days in advance of the intended filing. The CBO will review these plans on an expedited basis. The CBO will return 1 set of submittals stamped and signed with his approval to the Applicants within 30 days, provided the plans comply with the stated conditions.	
CEC Decision Structural Engineering	10.6	Inspections shall be performed in accordance with Chapters 3 and 70 of the Uniform Building Code (1982 edition). The Kern County CBO may delegate responsibility for special and continuous inspections to the Applicants. The CBO or his agent and the CEC may, upon reasonable notice, inspect the construction at any time.	The Applicants shall notify the CEC if Kern County CBO delegates responsibility for inspections to the Applicants.	Completed 9/85.
CEC Decision Structural Engineering	10.7	In event that the Uniform Building Code (1982 edition) is not adopted prior to final plans approval by either the State under Title 24, CAC, or by Kern County ordinance, the Applicants shall demonstrate that the facility design meets or exceeds the requirements of UBC 1979.	In the event that final plans have been submitted for review prior to the adoption of UBC 1982, the Applicants shall file a statement by the responsible structural or civil engineer verifying conformity of the submitted plans with this condition.	Completed 9/85.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Structural Engineering	10.8	At least 195 days prior to the intended start date of the first increment of construction, the Applicants shall furnish to the Kern County CBO and the CEC a schedule of structural plan submittals. The schedule must contain a descriptive list of proposed submittal packages of structural plans, calculations, and specifications and the estimated date of submittal.	The Applicants shall submit the schedule to the CBO and the CEC.	Completed 2/3/84.
CEC Decision Transmission Line Safety & Nuisance	13.1	The Applicants shall file a "Notice of Construction or Alteration" form with the Federal Aviation Administration if it anticipates that a transmission line tower or any appurtenance would be more than 200 feet above ground level per 14 CFR, Part 77.	The Applicants shall forward a copy if any such filing to the CEC.	None.
CEC Decision Transmission Line Safety & Nuisance	13.2	The Applicants shall construct, operate, and maintain transmission line in accordance with Title 14, California Administrative Code, Sections 1254-1256, and Public Resources Code, Sections 4292-4296.	Within 60 days after completion of construction, the Applicants shall submit a statement from the registered field engineer in responsible charge to the California Department of Forestry (CDF) and the CEC indicating that the transmission line has been constructed in accordance with applicable requirements. The Applicants shall also inspect the transmission line annually to ensure that the line maintains required clearances, especially during the fire season.	Completed 7/85.
CEC Decision Transmission Line Safety & Nuisance	13.3	Prior to the energization, the Applicants shall ensure that, regardless of location or ownership, all underground metallic fences, gates, or other large permanent metallic objects within the right-of-way are grounded. In the event that an owner (other than the Applicants) objects to such grounding, the Applicants are released from this requirement.	Within 60 days after completion of transmission line construction, the Applicants shall file a statement verifying compliance with these grounding procedures.	Completed 7/85.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Transmission Line Safety & Nuisance	13.4	In the event of complaints regarding induced currents from vehicles, portable objects, large metallic roofs, fences, gutters, or other objects, the Applicants shall investigate and take all reasonable measures at its own expense to correct the problem for valid complaints, provided that: (a) the object is located outside the right-of-way ; or (b) the object is within the right-of-way and existed prior to right-of-way acquisition. For objects constructed, installed, or otherwise placed within the right-of-way after right-of-way acquisition, the Applicants shall notify the owner of the object that it should be grounded. In this case, grounding is the responsibility of the property owner. SCE shall advise the property owner of this responsibility in writing prior to signing the right-of-way agreement.	The Applicants shall maintain a record of activities related to this paragraph. These records shall be made available to authorized CEC staff upon request, with 10 working days advance notice.	Not applicable.
CEC Decision Transmission Line Safety & Nuisance	13.5	The Applicants shall ensure that the design and construction of transmission line satisfies or exceeds the requirements of PUC General Order 95 and the terms and conditions of CEC certification. The Applicants shall receive CEC approval for a waiver of any General Order 95 requirements. The Applicants shall also receive CEC approval for any of the following significant changes in transmission line design: * Any change in conductor size from 1,590 kcm; * Any tower configuration other than as proposed in the AFC; * Change to the number of circuits; * Change to the voltage level of the line; * Change in the normal or emergency conductor capacity greater than 15 percent; * Change in termination point; or * Change in route.	Within 60 days following completion of the transmission line, the Applicants shall submit to the CEC a statement, signed by the registered electrical engineer in responsible charge, which verifies compliance with the requirements of PUC General Order 95 and with the terms and conditions of CEC certification. The statement shall note any waivers granted by the CEC for General Order 95 requirements.	Completed 7/85.
CEC Decision Transmission Line Safety & Nuisance	13.6	On-site work safety inspections may be conducted by the California Division of Occupational Safety and Health (CAL/DOSH) during construction and operation of the transmission line or when an employee complaint has been received. The Applicants shall notify the CEC in writing in the event of a violation if such violation may delay the transmission line construction schedule.	The Applicants shall keep records of CAL/DOSH inspections and shall make them available to authorized CEC staff upon request.	Not applicable.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Transmission Line Safety & Nuisance	13.7	The Applicants shall make every reasonable effort to locate and correct, on a case-by-case basis, all causes of radio interference and television interference attributed to the transmission line facilities including, if necessary, modifying receivers and furnishing and installing antennas. In addition, the Applicants shall take reasonable care to prevent the conductors from being scratched or abraded.	The Applicants shall maintain records of complaints and corrective actions and shall make these records available to authorized CEC staff upon request.	Not applicable.
CEC Decision Transmission Line Safety & Nuisance	13.8	The Applicants shall report all public injuries or fatalities and serious employee lost time and accidents to the CEC.	Within seven days of an injury or fatality the Applicants shall advise the CEC by telephone. A report shall be subsequently filed with the CEC within 15 days which includes: (1) the date the accident occurred; (2) the name and job title of the employee or member of the public; (3) a description of the injury; (4) a description of the accident and its cause; (5) a discussion of compliance with the General Order 95 requirements and applicable CAL/DOSH regulations in the vicinity of the accident; and (6) a statement of corrective/preventative measures taken or to be taken. The CAL/DOSH report may be substituted for the above requirements if all the information specified is contained therein.	Within 7 days of injury. None to date.
CEC Decision Transmission Line Safety & Nuisance	13.9	The Applicants shall use their preferred route for the power plant transmission line and the seven-mile double circuit transmission line.	Within 60 days following completion of the transmission line, the Applicants shall submit a statement to the CEC, signed by the registered electrical engineer in responsible charge, which verifies compliance with the terms and conditions of CEC certification.	Completed 7/85.
CEC Decision Transmission Line Safety & Nuisance	13.10	The Applicants shall utilize 1,590 kcm ACSR conductors for the power plant transmission line and the seven-mile double circuit line.	Within 60 days following completion of the transmission line, the Applicants shall submit a statement to the CEC, signed by the registered electrical engineer in responsible charge, which verifies compliance with the terms and conditions of CEC certification.	Completed 7/85.
CEC Decision Transmission Line System Engineering	TSE-1	Conditions and Compliance Verification are in Section 13.		
CEC Decision Waste Management	11.1	All construction wastes shall be disposed of by the Applicants' contractor at sites approved by the Regional Water Quality Control Board and local agencies.	At least 30 days prior to beginning construction, the Applicants shall submit a letter to the CEC listing the disposal sites to be used.	Completed 4/10/84.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Waste Management	11.2	The Applicants shall dispose of combustible and noncombustible trash in a manner approved by the County. Trash containers shall be located throughout the construction site.	Prior to the start of construction, the Applicants shall submit to the CEC a written description of their disposal plans for combustible and noncombustible wastes.	Completed 5/9/84.
CEC Decision Waste Management	11.3	Petroleum products from vehicles and the operation of equipment shall not be released in drainage areas. Such products shall be collected in suitable containers and removed from the construction site by commercial reprocessors.	Prior to the start of construction, the Applicants shall submit to the CEC a written description of their disposal plans for petroleum products.	Completed 5/9/84.
CEC Decision Waste Management	11.4	A blowdown pond shall be used for construction wastes such as concrete mixing water, dust control water, and equipment washdown water. The pond shall be lined with an impervious material to prevent percolation into the ground water table. Blowdown and flushing fluids containing chemicals, oils, and grease shall be removed and sent to an approved site in the vicinity, such as the Kettleman Hills site or the Environmental Protection Corporation site.	At least 30 days prior to using the pond, the Applicants shall submit to the CEC "as-built" drawings of the blowdown pond.	Completed 2/21/84.
CEC Decision Waste Management	11.5	Portable closed-system sanitary facilities, such as chemical toilets, shall be provided for the construction crews during the entire construction phase of the project. The Applicants shall arrange to have a commercial operator remove the sanitary wastes for disposal at a site approved by the Regional Water Quality Control Board.	Prior to the start of construction, the Applicants shall submit to the CEC a statement verifying the availability of portable, closed-system sanitary facilities on the construction site and the plans for disposal of the sanitary wastes.	Completed 5/8/84.
CEC Decision Waste Management	11.6	During the plant operation phase of the project, there shall be permanent sanitary facilities connected to a septic tank and leach lines. The sanitary wastes shall be routed to the septic tank which is expected to remove 50 to 70 percent of the organic matter from the raw wastes. Sludge in the tank shall be cleaned out every other year and the waste trucked away for disposal at a site approved by the Regional Water Quality Control Board in the vicinity such as the Kettleman Hills site. The effluent wastewater in the septic tank shall be gravity-fed to a leach field where the treated water will percolate through the soil.	Within 180 days after the completion of construction of the cogeneration plant the Applicants shall submit to the CEC a written statement verifying their compliance with this condition.	Completed 4/86.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Socioeconomics/Transportation/Aesthetics/Land Use	3.1	To minimize the visual impacts of the transmission lines, the Applicants shall: a. For the Alfred Harrel Highway crossing (mile 6.2 to 6.4), vegetative contrast shall be reduced by placing towers to allow conductors to span the riparian vegetation along the Kern River, where possible. This is consistent with the existing transmission line crossing which spans the riparian vegetation; b. For the Kern River Valley and Round Mountain Road area (mile 5.2 to 8.0), structural contrast shall be reduced by replacing towers within the existing right-of-way, where possible, in order to avoid introducing a new structural element in the landscape where it did not previously exist (i.e., a new and separate right-of-way). Structural contrast shall also be reduced by locating towers, where practical, to correspond with the spacing of existing towers. This may be possible on a one-for-one tower replacement or at every other tower if the terrain and span specifications permit. c. For the Bakersfield area (mile 0.0 to 3.0) and the State Route 178 crossing (mile 2.3), structural contrast will be reduced by locating towers, where practical, to correspond with the spacing of existing towers. This may be possible on a one-for-one tower replacement or at every other tower if the terrain and span specifications permit.	Within 180 days after project completion, the Applicants' project engineer shall submit a letter to the CEC verifying compliance with the above requirements.	Completed 7/85.
CEC Decision Socioeconomics/Transportation/Aesthetics/Land Use	3.2	Regular consultation shall be maintained with the City of Bakersfield Traffic Department or the Kern County Road Department, as applicable, to identify any traffic problems on Panorama Drive. Mitigation shall be accomplished by avoidance of Panorama, or such other measures agreeable to city/county and the Applicants.	In the event mitigation of traffic is required on Panorama Drive, a letter will be submitted to the CEC outlining the consultation with the city/county and the measures to be taken.	Completed.
CEC Decision Water Quality, Hydrology, and Water Resources	6.1	The Applicants shall provide a storm drainage system designed to control a 100-year storm.	See verification to Condition 2, below.	Completed 11/85.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

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Section	Item	Description	Documentation	Comments or Status
CEC Decision Water Quality, Hydrology, and Water Resources	6.2	The Applicants shall construct the facility along a ridgeline, precluding the opportunity for inundation from natural drainage.	Within 180 days after "turbine roll," the Applicants shall file "as-built" plans of the following drainage and flooding control measures with the Kern Company CBO and the CEC compliance audit manager. The report shall contain: * A description of the storm drainage system [designating its design for controlling a 100-year (or greater)] storm. * Identification of the facility and elevation delineations (pre- and postconstruction) on a grading map.	Completed 11/85.
CEC Decision Water Quality, Hydrology, and Water Resources	6.3	The Applicants shall employ the measures described in the AFC (Exhibit 2, Chapter V.B.) during construction and operation of the facility. The measures shall be designated and described on "as-built" engineering drawings to be filed with the CEC. Specifically, the drawings shall show and describe: * The containment areas or curbing and dikes surrounding the fuel oil storage tanks, the acid storage tanks, and the caustic storage tanks; * The capacity in barrels of each of the above mentioned dikes; * The containment area surrounding the ion exchange system and the capacity in barrels of the containment area; * The construction materials of all the above-mentioned containment areas and dikes and the likely or calculated permeability of each; * The piping system, including safety features such as safety valving, for the fuel oil, acid, and caustic; * The run-off diversions, riprap, and energy dissipation areas; * The location of the septic tank and leachfield; * The monitoring and alarm systems for accidental spills of fuel, oil, acid, caustic, and wastewater; * The on-site wastewater ponds (including a description of construction materials and their likely or calculated permeabilities), and * Final graded area where vegetation has been removed.	The Applicants shall file the "as-built" drawings of the facility with the Kern County CBO and the CEC within 180 days after construction is completed.	Completed 11/85.
CEC Decision Geotechnical/Seismic Hazards	7.1	The Applicants shall assign a qualified soils engineer to the project to be presented as needed (and to work in consultation with the certified engineering geologist) to evaluate actual conditions by applying the principles of soil mechanics in the investigation, evaluation, design, and construction of earthwork.	The Applicants shall notify the CEC of the designated soils engineer's name and registration number at least 30 days prior to the start of construction activity.	Completed

**Compliance Matrix**  
**KERN RIVER COGENERATION CO.**

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Geotechnical/Seismic Hazards	7.2	The Applicants shall assign to the project, to be presented as needed, an engineering geologist certified by the State of California to monitor engineering geologic conditions to ensure that any adverse conditions encountered are mitigated in a safe and environmentally sound manner. This shall include: (a) monitoring compliance with design intent in engineering geologic matters; (b) providing consultation during the design and construction of the project; (c) evaluating geologic conditions and geologic safety; and (d) recommending field changes to the responsible civil engineer.	The Applicants shall notify the CEC of the designated individual's name and certification number at least 30 days prior to the start of construction activity.	Completed.
CEC Decision Geotechnical/Seismic Hazards	7.3	To assure that the facilities are constructed in accordance with pertinent laws, ordinances, standards, permits, and approvals, the California certified engineering geologist shall sign all preconstruction, construction, and postconstruction reports, maps, plans, specifications, etc., pertaining to the engineering geologic suitability of the plant site, fuel line corridor, and electric transmission line corridor.	The Applicants shall notify the CEC of the designated individual's name and certification number at least 30 days prior to the start of construction activity.	Completed.
CEC Decision Geotechnical/Seismic Hazards	7.4	The Applicants shall submit within 180 days after completing the rough grading the following documents to the Kern County Chief Building Official (CBO): * A Soil Grading Report (see Civil Engineering condition 9-2). * A Geologic Grading Report prepared and signed by a certified engineering geologist (see Civil Engineering condition 9-2).	These reports will be deemed approved by the CBO unless the Applicants are notified otherwise within 60 days of receipt of such reports by the CBO after completing the grading and excavation of all foundations.	Completed 5/85.
CEC Decision Geotechnical/Seismic Hazards	7.5	If geologic conditions do not differ substantially from those conditions described in the AFC (Chapter V, Section V.B.4 and Appendix D) the Applicants shall implement the AFC's recommended mitigation measures for adverse geologic conditions.	The Applicants' certified engineering geologist shall verify compliance with the AFC's recommended mitigation measures in the Geologic Grading Report and As-Graded Grading Plan.	Completed 2/85.

# Compliance Matrix

## KERN RIVER COGENERATION CO.

Report as of: 2/13/2019

Section	Item	Description	Documentation	Comments or Status
CEC Decision Geotechnical/Seismic Hazards	7.6	The Applicants shall immediately report to the Kern County CBO and the CEC any geologic conditions which sufficiently deviate from those predicted in the AFC (Appendix D) to warrant substantial changes in design of site earthwork, power plant facilities, or site viability. The Applicants shall cease earthwork and construction in the affected area, unless required for safety, pending approval by the Kern County CBO of the revised design. If the revised plans are not approved or disapproved by the CBO within five working days of the receipt of the revised plans, the matter shall be considered under the provisions of the Dispute Resolution Procedures.	The responsible civil engineer or soil engineer will notify the Kern County CBO and the CEC of substantial design changes.	None encountered to date.
CEC Decision Geotechnical/Seismic Hazards	7.7	The Applicants shall ensure that geologic records of site inspections, especially detailed logs of excavated surfaces, will be made during site preparation and submitted to the CEC upon request.	The Applicants shall notify the CEC of the availability of geologic records of site inspections.	Completed.
CEC Decision Transmission Line Biological Resources	1	Conditions and Compliance Verifications are in Section 5.		

\*\*\*\*\* END OF REPORT \*\*\*\*\*

**ATTACHMENT 3**

**Verification of Compliance –**  
**APCD**



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



E-mailed

September 19, 2018

Mr. Cory Eagar  
 Kern River Cogeneration Facility  
 P.O. Box 81438  
 Bakersfield, CA 93380

**RE: DETERMINATION OF COMPLIANCE EMISSION TESTING**

For Project# KRCF

Dear Mr. Eagar,

District staff have received the test report submitted for the permitted equipment listed below for compliance determination with permitted emission limits. Review of the test result(s) reveal the equipment to be **operating in full compliance with permitted emission limits**. If the permitted equipment has annual source testing requirements, then the next required test must be conducted within thirty days (+/- 30) of the next test date as shown below. If an ATC has been issued for modifications to the permitted equipment then the testing requirements must follow the ATC.

Permit Number	Unit ID	Test Date	Next Test Date
S-88-1-20	UNIT 1	6/28/2018	6/4/2019
S-88-2-21	UNIT 2	6/13/2018	6/4/2019
S-88-3-20	UNIT 3	6/14/2018	6/4/2019
S-88-4-22	UNIT 4	6/11/2018	6/4/2019

If the equipment is under dormant status, you must contact the District before restarting unit. If you have any questions please call this office at (661) 392-5500.

Sincerely,

Renee Chavez  
 Supervising Air Quality Inspector

Greg H Lafore  
 Senior Air Quality Inspector